

**EPA Registration # 73801-4**

**21-Day Screen Completed by**  
**Contractor**

**21-Day Expires on** 8/27/13

**Jacket #** 73801-u

**MRID#** 491917

**Content Screen:** Recommend to Pass/Fail

**11-3 Review:** Pass/Fail/NA

**Overall Status:** Recommend to Pass/Fail

**Transfer This Jacket to:**

Steve Schauble

# Explore Registrations

Reg Number: 73801-U Reg. Type: Product Registration - Section 3 Status: Under Review (06-Aug-2013)

Name: DELTAMETHRIN 4.75% SC

<View Registration Details>

## (No New Receipts)

S	Submission Type	OPP Rec'd Date	Resubmission	Description
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### ...Decisions...

#### Data Requirements

D: Pending; 481734; 73801-U; R301; NEW PROD

#### 75-Day Letters

S: 839333 BYR/2013, New Registration, 738

DP 414276; RD / IB; Complete Date: 27

DP 415393; RD / IB; Complete Date: 21

S: 939333 Reg #: 73801-U

Submission Type: New Registration

Resubmission?: ☐ Yes ☒ No

E-Sub #:

Decision #:

Submitter Company: TAGROS CHEMICALS INDIA LTD.

Application Date: 02-Aug-2013

OPP Received Date: 06-Aug-2013

Date Sent to Risk manager: 07-Aug-2013

Studies Included?: ☐ Yes ☒ No

Fast Track?: ☐ Yes ☒ No

Form A Signed?: ☐ Yes ☐ No ☒ None

Date:

Form B Signed?: ☐ Yes ☐ No ☒ None

Date:

Reviewer: Odiott, Olga

Received DT:

Editable Due DT:

Submission Due DT: 27-Dec-2013

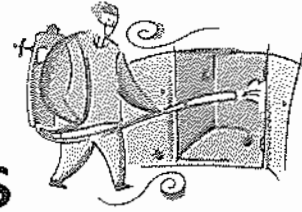
Response: 0, 06-Aug-2013

Priority Weight:

Priority Points:

Comments: New Product; Indoor GHP product

## NEW APPLICATIONS



**DATE:** AUG - 6 2013

**FILE REG NUMBER:** 73801-02

**FEP (OPPIN ENTRY)** LV AUG - 6 2013

**(Initial & Date)**

**FILE ROOM:** \_\_\_\_\_

**(Initial & Date)**

**SIG:** \_\_\_\_\_

**(Initial & Date)**

**FILE ROOM:** \_\_\_\_\_

**(Initial & Date)**

**ASSIGN TO PM: AD** ✓ **RD** 13 **BPPD** \_\_\_\_\_

**\_\_\_\_\_ JACKET TO SHELF (data)**

# Material Sent for Data Extraction

Reg. # 73801-4

Description: \_\_\_\_\_

☒ Material(s) Sent to Data Extraction Contractors:

☒ New Stamped Label Dated Dec. 23, 2013

☐ Notification Dated \_\_\_\_\_

☒ New CSF(s) Dated July 26, 2013

☐ Other: \_\_\_\_\_

☐ Decision #: \_\_\_\_\_

☐ Other Action/Comments: \_\_\_\_\_

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Olga Odio

Phone: 308-9369 Division: RD

Date: \_\_\_\_\_



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460

EPA Reg. Number:  
73801-4

Date of Issuance:  
DEC 23 2013

Term of Issuance:  
Unconditional

Name of Pesticide Product:

Deltamethrin 4.75% SC

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(Under FIFRA as amended)

Name and Address of Registrant (include ZIP Code):

Tagros Chemical India, Ltd.  
c/o Biologic, Inc. 115 Obtuse Hill Road  
Brookfield, CT 06804

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is registered in accordance with FIFRA Sec. 3(c)(5) with the following terms:

1. You will submit acceptable enforcement analytical method (830.1800) and oxidation/reduction (830.6314) data for this product to satisfy all Product Chemistry data requirements for the 830 Series Subgroup A and Subgroup B guidelines no later than 18 months from the date of this letter.
2. Revise the EPA Registration Number to read "EPA Reg. No. 73801-4."
3. Submit two (2) copies of your final printed labeling before releasing the product for shipment.

If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3). A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Olga Odiott at 703-308-9369.

Signature of Approving Official:

Michael Walsh, Acting Product Manager 13  
Insecticide Branch/Registration Division (7505P)

Date:

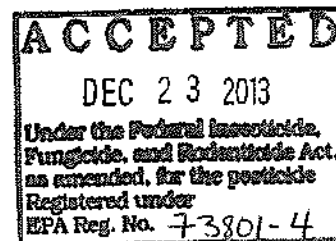
DEC 23 2013

Enclosures: Stamped label; Product Chemistry Review Memo

# MASTER LABEL

## Deltamethrin 4.75% SC

[Optional Generic Descriptor: Insecticide]



**Intended For Use by Pest Control Operators and/or Commercial Applicators  
For Residential, Industrial and Institutional Use**

- *Micro-Crystal Suspension Concentrate*
- *For use as crack and crevice and spot applications in homes, hotels, schools and food handling establishments.*
- *Controls Listed Insect/Pests in and around the Home*
- *Controls Listed Insects on Commercial and Residential Turf and Landscape Ornamental Plants*
- *Controls ants, bedbugs, cockroaches, fleas, flies, silverfish, spiders and many other listed pests.*
- *For use as a mattress application for bedbugs and lice.*
- *Broadcast spray for lawns and turfgrass to control fleas, ticks and other listed insects.*
- *For use to protect Stored Grains and seeds against damage from Indian Meal Moth, Saw-Toothed Grain-Beetle, Red Flour Beetle, Rice Weevil, Maize Weevil, and many other listed pests.*
- *Mix Well]*

### ACTIVE INGREDIENT:

\*Deltamethrin .....4.75%

OTHER INGREDIENTS : .....95.25%  
100.00%

\*Contains 0.42 lb deltamethrin per gallon.

EPA Reg. No.: 73801-X

EPA Est. No. : XXXXX-XX-XXX

### KEEP OUT OF REACH OF CHILDREN CAUTION

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

See [side panel] [inside booklet] for additional Precautionary Statements, Storage and Disposal instructions and Directions for Use.

**Manufactured by:**  
Tagros Chemicals India, Ltd.  
Jhaver Centre, Rajah  
Annamalai Building, 4<sup>th</sup> Floor  
72 Marshalls Road  
Egmore, Chennai 600 008, India

NET CONTENTS: 1 Pint or 1 Gallon

## MASTER LABEL

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	

### Environmental Hazards

This product is extremely toxic to fresh water and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

### Physical and Chemical Hazards

Do not use water-based sprays of Deltamethrin 4.75% SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

### DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

### RESTRICTIONS:

1. DO NOT apply Deltamethrin 4.75% SC through any type of irrigation system.
2. DO NOT water the treated area to the point of run-off.
3. DO NOT make applications during rain.
4. DO NOT apply this product to edible crops.
5. DO NOT apply this product in hospital patient rooms while occupied or in any rooms occupied by the elderly or infirm.
6. DO NOT apply in classrooms when in use.
7. DO NOT apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.
8. Do not apply this product more than once every 21 days.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the



## MASTER LABEL

following permitted uses:

- a. Treatment to soil or vegetation around structures;
- b. Applications to lawns, turf, and other vegetation;
- c. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.

## PRODUCT INFORMATION

Deltamethrin 4.75% SC is a suspension concentrate insecticide for use both indoors and outdoors for effective knockdown and long residual control of listed pests.

### Mixing Instructions

Mix Deltamethrin 4.75% SC with water and apply using a hand pressurized or power operated sprayer, such as Actisol or similar equipment. For outdoor broadcast application, apply as a coarse spray or with conventional hydraulic boom-type sprayer or other suitable equipment. Shake container well before using.

### Dilution Instructions:

- add half the water to the spray tank;
- add Deltamethrin 4.75% SC as specified in the appropriate application rates table;
- agitate well;
- add the remaining water slowly to avoid excess foam;
- thoroughly agitate the sprayer before using to insure proper suspension.

**Note:** If spraying is stopped when using a back-pack or hand-held spray equipment, reinvert sprayer before use. If spray screens are used, they must be 50 mesh or larger. Dilute Deltamethrin 4.75% SC only with water. Only prepare the spray solution when ready to make applications.

**Tank Mixing:** Tank mix Deltamethrin 4.75% SC with other currently registered pesticides unless prohibited by the product label. To check for product compatibility, a small volume mixing test with other products is recommended. Follow all restrictions and precautions specified on the labels of these tank-mix products.

## PEST CONTROL INDOORS

Deltamethrin 4.75% SC may be applied in and around residential and non-residential buildings including residential kitchens and all types of food/feed handling establishments.

Mix Deltamethrin 4.75% SC with water and apply indoors as a crack and crevice, spot or general surface treatment with hand pressurized or power operated sprayers or other suitable equipment.

**For residential buildings and structures** - apply only as a crack and crevice or spot treatment.

## MASTER LABEL

Approved use sites include the food/feed and non-food/non-feed areas of:

Aircraft (cargo only)	Industrial buildings
Apartment buildings	Installations
Bakeries	Kitchens
Bottling facilities	Laboratories
Breweries	Mausoleums
Buses	Meat, poultry & egg processing & packaging plants
Cafeterias	Mobile & motor homes
Candy plants	Nursing homes
Canneries	Offices
Dairy product processing plants	Railcars
Food manufacturing plants	Restaurants
Food processing plants	Schools
Food service establishments	Ships & vessels
Granaries & grain mills	Trailers
Hospitals	Trucks
Hotels	Warehouses
Houses	Wineries

**Crack and Crevice:** Apply Deltamethrin 4.75% SC spray mixture to cracks and crevices in and around baseboards, floors, walls, appliances, areas around water and sewer pipes, and other voids with a low pressure system using a pinpoint or variable pattern nozzle.

**Spot Treatment:** Apply Deltamethrin 4.75% SC as a spot treatment in and around cupboards, and between, beneath and behind equipment or appliances using a low pressure system with fan-type nozzle.

**To control of carpet beetles, fleas and ticks indoors:** Apply as a coarse, low pressure crack and crevice spot treatment to problem areas and infested habitats.

### Restrictions:

- Do not treat entire area of floor, carpet or floor coverings.
- Do not apply as a space spray.
- Do not make applications to areas where prolonged contact by humans can occur.
- Limit spot treatment to pet beds and infested floor coverings.

## MASTER LABEL

Application Rates			
Pests	Concentration of Active Ingredient <sup>1</sup>	Dilution Rate <sup>2</sup>	Use Instructions
ants, carpet beetles, firebrats, fleas, gnats, midges, centipedes, millipedes, pantry pests, silverfish, ticks (indoors)	0.01% - 0.03%w/w	0.25-0.75 fl. oz./gal 12.5-37.5 fl. oz./50 gals 25-75 fl. oz./100 gals	Apply at 21-day intervals. Remove pets and cover aquariums and terrariums before spraying. Do not apply to classrooms when in use. Do not use in aircraft cabins.
Bees, bedbugs, boxelder bugs, fleas (outdoors), ticks (outdoors), cecid flies, cockroaches, crickets, flies (including such flies as stable, house, cluster and horseflies), elm leaf beetles, ground beetles, moths, midges, hornets, killer bees, lice, mosquitoes, Multicolored Asian Lady Beetle, pillbugs, scorpions, sowbugs, spiders, yellowjackets, wasps	0.03% - 0.06%w/w	0.75-1.5 fl. oz./gal 37.5-75 fl. oz./50 gals 75-150 fl. oz./100 gals	Treat areas that insects inhabit or where they are normally found. Use 0.25 to 1.5 fluid ounces of Deltamethrin 4.75% SC in sufficient amount of water and apply to adequately cover 1000 square feet. Do not allow dripping or run-off to occur. Under conditions of severe pest infestation, when quick knockdown and/or longer residual control is desired, use 1.5 ounces of 0.06% Deltamethrin 4.75% SC per 1,000 sq. ft.
Termites (Formosan & Eastern subterranean - localized control only)	0.06% w/w	1.5 fl. oz./ gal 75 fl. oz./50 gals 150 fl. oz./100 gals	
Carpenter ants	0.03% w/w	0.75 fl. oz./gal 37.5 fl. oz./50 gals 75 fl. oz./100 gals	
<sup>1</sup> The specified rate for maintenance treatments is 0.01% and for cleanout treatments is 0.03%. For control of severe infestations and longer residual control use the 0.06% rate. More frequent applications may be needed on concrete surfaces. <sup>2</sup> 0.25 fl. oz.= 7.5 milliliters 0.75 fl. oz.= 22.7 milliliters 1.5 fl. oz.= 45.4 milliliters			

### Premise Pest Control

To control Cockroaches, Ants, Crickets, Silverfish, Firebrats, Centipedes, Millipedes, Cloth Moths, Earwigs, Pillbugs, Sowbugs, Scorpions and Spiders

**Use Instructions:** Apply as a coarse, low pressure spot or crack and crevice spray to areas that these pests are found especially dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, and cabinets; around plumbing and other utility installations; doors, windows and in attics and crawl spaces. Make applications to floor surfaces along baseboards and around air ducts. Allow surfaces to dry before children or pets come into contact.

## MASTER LABEL

### **Pantry Pest Control**

To kill adult and manageable stages of insect pests such as Lesser Grain Borers, Grain Weevils, Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Merchant Grain Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Grain Mites and Spider Mites.

**Application Instructions:** Apply to cupboards, shelving and storage areas. Before spraying, remove all foodstuffs, utensils, shelf paper and other objects. Allow treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Discard any foodstuff accidentally contaminated with any spray solution.

### **Crawling and Flying Insect Pests**

Deltamethrin 4.75% SC controls crawling and flying insects such as flies, gnats, midges, mosquitoes, cockroaches, ants and silverfish.

**Application Instructions:** Use as a residual surface treatment to walls, ceilings, window screens and other resting areas inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Ants (including Pharaoh Ants):** Deltamethrin 4.75% SC may be applied to areas including where ants enter premises or live, and to trails, around doors and windows.

**Bedbugs and Lice:** Remove bed linens and wash before reuse. Apply Deltamethrin 4.75% SC to mattresses taking care to treat tufts, folds and edges until moist. Make application to the interior of the bed frame. Before remaking the bed, make sure the mattress is dry.

**Carpet Beetles, Fleas and Ticks:** Use of an IPM (integrated pest management) program should be followed. Before starting to treat, vacuum carpets, upholstered furniture, baseboards and other indoor areas where pets spend time. After vacuuming, discard the vacuum cleaner bag outside in a garbage can. Clean or replace pet bedding.

**Application Instructions:** Apply Deltamethrin 4.75% SC as a uniform coarse low-pressure spot or crack and crevice treatment to areas where pests are found. Limit spot treatments to pet bedding and its surrounding area, infested floor coverings and pest habitats.

### **Restrictions:**

- Do not treat entire area of floor, carpet or floor coverings.
- Use a dust such as [D-FENSE™ Dust] [Deltadust®] in areas around electrical equipment.
- Do not apply as a space spray.
- Restrict applications to furniture where no prolonged contact by humans will occur.
- Do not allow people or pets to contact treated areas until spray has dried.

Deltamethrin 4.75% SC can be used with an Insect Growth Regulator (IGR). For effective control of fleas, treatment directly to the pet with an EPA registered product for such use, as well as treating outside areas pets frequent may be required. Deltamethrin 4.75% SC can also be applied outdoors for flea control. DO NOT treat pets with this product.

**Pet Kennels:** Deltamethrin 4.75% SC may be applied to control crawling and flying insects in and around pet kennels. Make application as a general surface and/or crack and crevice spray. For best results, at the same time, clean the facility to be treated and use Deltamethrin 4.75% SC to treat the exterior perimeter.

## MASTER LABEL

### Restrictions:

- Apply only to areas of facility where animals are not present.
- Allow spray to dry before allowing re-entry of animals into treated areas.
- Do not apply to animal feed or watering equipment.

### FOOD/FEED HANDLING ESTABLISHMENTS

Applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as a general surface, spot or crack and crevice treatment to control of labeled pests.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). Treat any area that insects are observed in or where insects may enter.

**General Surface Applications:** Before application cover or remove all food/feed processing and/or handling equipment. After application, wash all equipment, benches, shelving and other surfaces that food/feed will contact in food/feed processing plants, cafeterias and similar facilities. Clean food/feed handling or processing equipment and rinse well with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

### Restrictions:

- Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed.
- Do not apply to food/feed products.

**Spot or Crack & Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation provided exposed food is covered or removed from area being treated prior to application.

### Restrictions:

- Application is prohibited in Federally inspected meat and poultry plants while such facility is in operation.
- Do not apply to food or food-handling surfaces.
- In the home, do not allow spray to contact food/feed surfaces. If it does, clean surfaces with soap and water.

### STORED GRAIN

To control adults and accessible stages of insect pests such as, lesser grain borer, larger grain borer, Angoumois grain moth, Indian Meal moth, tobacco moth, dermestids, and bean weevil; also to suppress populations of granary weevil, rice weevil, maize weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle.

## MASTER LABEL

### Directions for Treatment

Dilute Deltamethrin 4.75% SC with water for FDA approved food grade mineral or soybean oils and apply to the moving grain stream as a coarse spray to provide a concentration of 0.5 ppm of deltamethrin on the grain.

Final spray volume with water solutions - 5 gallons of liquid per 1000 bushels of grain

Final spray volume with oil solutions - Apply at oil manufacturer's rates

For water solutions, intermittent agitation is necessary. For oil solutions, constant agitation is required. For uniform treatment, use a moving grain stream.

For stored grain, apply Deltamethrin 4.75% SC Insecticide in solution at the rate of 5 gallons of solution per 1000 bushels to achieve a 0.5 ppm concentration of deltamethrin. Apply at rates as shown in the tables below:

#### AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/1000 BUSHELS OF GRAIN

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE TREATMENT AT 0.5 PPM		GALLONS OF DILUTE
	FL. OZ.	ML	
BARLEY	7.31	216	5
CORN	8.53	252	5
OATS	4.88	144	5
POPCORN	8.53	252	5
RICE	6.86	202	5
RYE	8.53	252	5
SORGHUM (milo)	8.53	252	5
WHEAT	9.14	270	5

Final spray volumes to treat 100 metric tons of grain at 0.5 ppm concentrations of deltamethrin are provided in the tables below corresponding to the grain being treated.

#### AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/100 METRIC TONS OF GRAIN

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE PER 100 METRIC TONS AT		LITERS OF DILUTE SOLUTION
	FL.OZ.	ML	
BARLEY	33.6	993	86.9
CORN	33.6	993	74.5
OATS	33.6	993	130.4
POPCORN	33.6	993	74.5
RICE	33.6	993	92.7
RYE	33.6	993	74.5
SORGHUM (milo)	33.6	993	74.5
WHEAT	33.6	993	69.5

## MASTER LABEL

### SEED TREATMENT

Apply Deltamethrin 4.75% SC to protect stored grain seed against injury from stored grain insects listed above. Clean and treat seed storage areas prior to storage. If seed is insect infested, fumigate\*\* to control existing populations and apply Deltamethrin 4.75% SC for residual protection. Deltamethrin 4.75% SC may also be used in conjunction with registered fungicide or other insecticide seed protectants, to protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seed during the seed treating process, and prior to bagging or placing in bulk seed storage at the rate of 0.5 ppm. When treating seed with other pesticide products, the treated seed should be properly tagged, indicating the seed should not be used for food, feed or oil purposes. Seed treated with Deltamethrin 4.75% SC alone is considered grain.

\*\*Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

### GRAIN BINS AND WAREHOUSES

Dilute 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Before storing or handling grain, apply finished spray to equipment, wall and floor surfaces of grain bins and warehouses at the rate of 1 gallon per 1000 sq. ft. but do not allow run-off to occur. Apply after equipment bins and buildings have been thoroughly cleaned. Empty bins or warehouses should be fumigated with an EPA registered fumigant according to the manufacturer's label recommendations as well as areas that are difficult to get into. Use Deltamethrin 4.75% SC as a perimeter treatment to prevent infestation of these structures. Apply to areas where pests are seen or may find entrance. Treat a band of soil or lawn up to 6-10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1000 sq. ft. Thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

### PEST CONTROL OUTDOORS

Apply Deltamethrin 4.75% SC as a perimeter treatment, residual spray or broadcast application to lawns, grounds and ornamental plantings.

Apply as a perimeter treatment or residual spray around residential and non-residential settings. Treatments should begin at the first sighting of pests.

**Residual Spray:** Apply Deltamethrin 4.75% SC as a coarse low-pressure spray at the rate of 0.75 to 1.5 fl.oz.to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse dumps, garages and lawns.

**Perimeter Treatments:** For best results, apply Deltamethrin 4.75% SC to areas where pests are seen and may find entrance. Treat a band of soil or lawn up to 6 -10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of 0.25 to 1.5 fl. oz. of Deltamethrin 4.75% SC in sufficient amount of water. (See Mixing Directions for Perimeter Application below). Use an adequate volume to thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

## MASTER LABEL

MIXING DIRECTIONS FOR Deltamethrin 4.75% SC OUTDOOR PERIMETER APPLICATION								
I. Deltamethrin 4.75% SC DILUTION (0.25 oz. /1000 sq. ft.) - (Based on one home being 1,000 sq. ft.)								
Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	3.75	15	6.25	25	12.50	50	25.00	100
3	1.25	5	2.08	8	4.17	16	8.33	33
5	0.75	3	1.25	5	2.50	10	5.00	20
10	0.37	1.5	0.63	2.5	1.25	5	2.50	10
*Based on Deltamethrin 4.75% SC applied at 0.25 ounces per 1,000 square feet treated per home or structure.								
II. Deltamethrin 4.75% SC DILUTION (1.00 oz. /1000 sq. ft.)								
Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft.	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	15.0	15	25.0	25	50	50	100.0	100
3	5.0	5	8.4	8.3	16.70	16.7	33.3	33.3
5	3.0	3	5.0	5	10.0	10	20.0	20
10	1.5	1.5	2.5	2.5	5.0	5	10.0	10
*Based on Deltamethrin 4.75% SC applied at 1.00 ounce per 1,000 square feet treated per home or structure.								

**Fleas and Ticks:** To control fleas and ticks, make application of Deltamethrin 4.75% SC as a coarse wet spray. Treat dog houses, kennels, run areas, cracks and crevices in sidewalks, patios, areas under plants, shrubs, bushes, trees, or other moist, shaded areas where pests are known to rest.

**Fire Ants:** Dilute 1.5 oz. per one gallon of water and apply Deltamethrin 4.75% SC as a drench treatment. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding area to a 2-foot diameter. Best results are obtained when applied in cool weather, 65 to 80°F or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

**Wood-Infesting Insects:** For control of wood-infesting beetles on surfaces in homes and other structures, apply a 0.06% suspension of Deltamethrin 4.75% SC. Brush or spray the suspension evenly on wood surfaces to treat small areas. Use a coarse spray to treat large or overhead areas of homes, apartment buildings, etc., and thoroughly cover the area. Before spraying, cover all surfaces below the treatment area with plastic sheeting or other material. After spraying, dispose of the plastic sheeting or other material in the trash. Allow surfaces in the treated area to dry completely before coming into contact.

**Restrictions:** Do not apply Deltamethrin 4.75% SC until the location of heating or air conditioning ducts, vents, water and sewer lines and electrical conduits are identified. Once known, applications may be made around these structures, however, be careful to avoid contamination of these structures and airways.

**Foam Application:** To treat structural voids for the control of insect and arthropod pests in walls, under slabs or in other void areas, convert Deltamethrin 4.75% SC to a foam by mixing the end-use dilution of



## MASTER LABEL

Deltamethrin 4.75% SC with the manufacturer's recommended volume of foaming agent. Use the rate as recommended for a suspension treatment converted to a foam to get the correct foam expansion ratios. Before treatment check to make sure that the foaming agent is compatible with Deltamethrin 4.75% SC.

For control of **above-ground termites and wood-infesting beetles** in localized areas, apply a 0.06% suspension or sufficient volume of foam of Deltamethrin 4.75% SC to voids and galleries in damaged wood and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling and then injecting the suspension or foam with a suitable directional injector into the damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

To control **termite carton nests** in building voids and trees, inject a 0.06% suspension or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. For best results, remove carton nest material from building voids and trees when nests are found. Termite carton nests in trees may be injected with 0.06% suspension or foam using a pointed injection tool.

To control **exposed worker and winged reproductive forms of termites**, applications to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.06% suspension. For control of **swarming or reproductive stages of termites**, apply a 0.06% suspension to the swarm or area on which they collect. Deltamethrin 4.75% SC will kill **workers or winged reproductive forms** present at the time of treatment. These applications are supplemental only, and do not take the place of mechanical alteration, soil treatment or foundation treatment.

For control of **above-ground termites and carpenter ants** inside trees, utility poles, fencing and decking materials and similar structures, locate the infested area by drilling then inject 0.06% suspension or foam using an appropriate treatment tool with a splashback guard.

For protection of firewood from **carpenter ants and termites**, before stacking firewood, treat the soil underneath with a 0.06% suspension at 1 gallon per 8 square feet to prevent infestation. DO NOT treat firewood with this product.

For control of **carpenter ants** in houses and other structures, use a 0.06% suspension and apply as a general surface, spot, crack and crevice or wall void application using coarse spray or foam to thoroughly cover the treatment area. Make application around doors and windows and any other areas where carpenter ants may gain entrance. Apply as a spray or foam into cracks and crevices, and drill small holes into voids where ants or nests may be present. Do not apply more than 1 gallon of dilute suspension per 1000 square feet of treated surface.

For control of **tunneling carpenter ants** in soil, apply a 0.06% suspension as a drench or inject the suspension or foam at 8 to 12 inch intervals. Create a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For control of **carpenter bees** in structures, apply a 0.06% suspension or sufficient volume of foam directly into gallery entrance holes. Leave the entrance holes open for 24 hours to make sure that returning adult bees are killed. If no activity is visible, use an appropriate sealant to seal the hole.

## TURFGRASS APPLICATIONS

Deltamethrin 4.75% SC controls listed insects on turfgrasses and ornamental plants in outdoor areas such as athletic fields, recreational areas, residential landscapes, parks, and public and commercial sites. Make application when insects first appear ensuring uniform coverage.

## MASTER LABEL

Apply as a broadcast application using a minimum of 2 gallons of water per 1000 sq. ft. with a hydraulic boom-type sprayer or other suitable equipment for turfgrass pests. Follow the specified rates listed in the Application Rates for Turfgrass Sites table. Use higher volumes (4 to 10 gallons of water per 1000 sq. ft.) for areas of dense turfgrass and/or where turfgrass is mowed at greater heights. Control is achieved when the insecticide contacts the target pest. For best results on surface-feeding insects, do not irrigate or mow within 24 hours after application. For subsurface-feeding insects, apply 0.25 to 0.5 inch of water immediately after application. Do not allow people or pests into the treatment area until turfgrass has dried.

**Tank Mixing:** Deltamethrin 4.75% SC may be tank-mixed with other pest control or fertilizer products. Observe all restrictions, precautions and limitations appearing on the tank-mix partner label. To check for compatibility with Deltamethrin 4.75% SC, mix a small test sample of the products in the correct proportions with water in a quart jar. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.

**RESTRICTIONS:** In New York State, product may not be applied to turf within 100 feet of a coastal marsh or stream that drains directly into a coastal marsh. For control of turf insects in New York, a second application may be made after two weeks if target insect activity persists.

Application Rates For Turfgrass Sites			
Sites	Pests	Rates	Use Instructions
Athletic fields, recreational areas, lawns & grounds, residential areas, parks, public and commercial sites	Ants, armyworms, centipedes, chiggers, cockroaches, crickets, cutworms, fleas(adult), grasshoppers, ground beetles, Japanese beetles (adults), leafhoppers, mealybugs, pillbugs, scorpions, sod webworms, sowbugs, springtails, spiders, ticks	0.4 to 0.6 fl. oz./1000 sq. ft. or 17.5 to 26 fl. oz./Acre or 0.06 to 0.08 lb. ai/A	Apply at first sign of pest presence. Apply as a broadcast spray in a minimum of 2 gallons of water per 1000 sq. ft.  For best control of surface feeders such as cutworms and webworms, do not water or mow for 24 hours after application. For subsurface-feeders, such as mole crickets, apply 0.25 to 0.5 inch of water immediately after application. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.
	Annual bluegrass weevil (adult), billbugs (adult), black turfgrass ataenius (adult), chinch bugs, mites*, mole crickets.	0.6 to 0.9 fl. oz./sq. ft. or 26 to 39 fl. oz./Acre or 0.08 to 0.13 lb. ai/A	

\*Suppression Only

## LANDSCAPE ORNAMENTAL TREATMENTS

Use Deltamethrin 4.75% SC to control the listed insects when applied as directed in the Application Rates for Ornamentals table below. Mix the Deltamethrin 4.75% SC with the required amount of water and apply as a finished spray to upper and lower leaf surfaces to ensure thorough coverage, but not to the point of run-off. Make sure to apply sufficient product to wet the leaves, trunk and branches of ornamentals.

## MASTER LABEL

**Restrictions:** Similar formulations have been tested on many species of ornamental plants with good results, but if local use information in this product is not available, it is recommended to pre-spray a few plants to check for compatibility.

Application Rates for Ornamentals:			
Sites	Pests	Rates	Remarks
Landscape ornamentals including trees, shrubs, evergreens and foliage plants	Adelgids, ants, aphids, azalea lace bugs, bagworms, boxelder bugs, cankerworms, cardamom thrips, cockroaches, crickets, elm leaf beetles, elm spanworms, European pine sawflies, fall webworms, flea beetles, flies, fungus gnats, grasshoppers, greenstriped mapleworm, Gypsy moth (larvae), imported willow leaf beetles, Japanese beetles (adults)*, June beetles (adults), lace bugs, leaf-feeding caterpillars, leafhoppers, leaf rollers, loopers, leaf skeletonizers, mealybugs, midges, mimosa webworms, mites**, orangestriped oakworms, pillbugs, pine shoot beetles, pine tip moths, pinyon spindlegall midges, plant bugs, redhumped caterpillar, red imported fire ants, sawfly larvae, sowbugs, spiders, springtails, spanworms, scale insects (crawlers), tent caterpillars, ticks, webworms, yellownecked caterpillar	4 to 8 oz./100 gallons of water	Apply at first sign of pest presence.  Mix Deltamethrin 4.74% SC with the required amount of water and apply as a finished spray to ensure thorough coverage of all plant surfaces, but not to the point of run-off.

\*Will provide anti-feedant properties on treated ornamentals against Japanese beetles.

\*\*Suppression only.

### PAINT ADDITIVE USE

Deltamethrin 4.75% SC may be mixed with latex coatings and oil-based coatings such as stains, varnishes and sealers for use to kill crawling and flying insects when exposed to treated surfaces.

**Note:** To ensure product efficacy, do not prepare more than the amount of latex coating that can be applied within 3 hours of mixing. For oil-based coating, stains, varnish or sealers, the amount of coating formulated should not exceed the amount that can be applied within 6 hours.

**Restrictions:** Do not allow children or pets to enter the treated area until surfaces are dry.

**Mixing Instructions:** Add 1 2/3 fl. oz. to 1 gallon [8 1/3 fl. oz. to 5 gallons] of latex coating (water base), oil base coating, and stains or sealers. Mix well to insure proper dilution.

**How to Apply:** Apply treated coating with brush, roller, or conventional airless equipment.

## MASTER LABEL

### FOR INDOOR PEST CONTROL

Deltamethrin 4.75% SC may be applied in and on residential and non-residential buildings and structures including residential kitchens and all types of food/feed handling establishments. This product can be applied to non-food contact surfaces of walls, floors, ceilings, in and around cabinets, behind and beneath equipment and appliances, around floor drains, window and door frames and around plumbing, sinks and other possible pest harborage sites.

**Note:** Deltamethrin 4.75% SC can be applied only as a crack and crevice or spot treatment indoors. Do not use for broadcast interior applications such as entire walls, ceilings, and floors.

Permitted areas of use include the food/feed and non-food/non-feed areas of:

Aircraft (cargo area only)

Apartment buildings

Bakeries

Bottling facilities

Breweries Buses

Cafeterias Candy plants

Canneries

Dairy product processing plants Food manufacturing plants Food processing plants

Food service establishments Granaries and grain mills Hospitals

Hotels

Houses

Industrial buildings

Installations Kitchens

Laboratories Mausoleums

Meat, poultry and egg processing and packaging plants

Mobile and motor homes

Nursing homes Offices

Railcars

Restaurants Schools

Ships and vessels

Trailers

Trucks

Warehouses Wineries

### Restrictions:

- Do not apply to classrooms when in use.
- Do not use in aircraft cabins.
- Do not apply this product in occupied patient rooms or in any rooms/areas while occupied by patients, the elderly or infirm.
- Do not apply to institutions including libraries, sports facilities, or in the immediate area when occupants are present.

**Pantry Pest Control:** To kill adult and accessible stages of insect pests: Spiders, ticks, cockroaches and ants. Make application to cupboards, shelving and storage areas. Remove all foodstuffs, all utensils, shelf paper and other objects before coating with this product. Allow all treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Any foodstuff accidentally contaminated with any coating solution should be discarded.

## MASTER LABEL

**Crawling Insect Pests (such as Spiders, Ticks, Cockroaches, Mosquitoes, Imported and , Southern Fire Ants, Leafcutter Ants and Silverfish):** Apply Deltamethrin 4.75% SC to localized areas of walls, ceilings and other resting areas as a crack and crevice or spot treatment.

Deltamethrin 4.75% SC may be used inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Pet Kennels:** For residual control of crawling and flying insects in and around these structures, apply as cracks and crevices or spot treatment. Optimal control results if facilities to be treated are clean, and coated surfaces are cleaned regularly (every 21 days). Apply only to areas of facility where animals are not present. Allow coating to dry before allowing re-entry of animals into treated areas. Do not apply to animal feed or watering equipment.

**Food/Feed Handling Establishments:** For control of all labeled pests, applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as spot or crack and crevice treatment.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Examples of non-food/non-feed areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). All areas that insects inhabit or through which insects may enter should be treated.

**Note:** Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed. Do not apply directly to food/feed products. Cover or remove all food/feed processing and/or handling equipment during application. After application in food/feed processing plants, cafeterias and similar facilities wash all equipment, benches, shelving and other surfaces which food/feed will contact. Clean food/feed handling or processing equipment and thoroughly rinse with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

**Spot or Crack and Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation, provided exposed food is covered or removed from area being treated prior to application. Do not apply directly to food or food-handling surfaces. In the home, do not allow coating to contact food/feed surfaces. If it does, clean surfaces with soap and water.

### FOR OUTDOOR PEST CONTROL

#### Intended for Commercial/Industrial Use Only

Kills cockroaches in sewer manholes and related sanitary sites.

**Application Instructions:** To control cockroaches in manholes, sewers, sewer cleanouts, floor drains and underground utility vaults. Apply product on manhole walls. Product may be applied via coarse spray using conventional airless spray equipment. Persons applying product in manhole must comply with CLOSED ENTRY requirements of government agencies.

Apply treated latex coating with remote access application equipment.

## MASTER LABEL

**Residual Application:** Apply Deltamethrin 4.75% SC to surfaces of buildings, porches, window frames, eaves, patios and garages, to control Spiders, Ticks, American and German Cockroaches, Silverfish, Imported and Southern Fire Ants and Leafcutter Ants.

**Note:** Do not apply to furniture, swing sets, or other outdoor playground articles.

### **CORRUGATED and CARDBOARD BOXES AND LINERS**

#### **Intended for Commercial/Industrial Use Only**

Deltamethrin 4.75% SC provides residual protection to the outer surface of corrugated and cardboard (folding carton) boxes against insects that damage or feed on paper, corrugated or cardboard (folding carton).

**Mixing Instructions:** To protect the outer surface of the box from damage from insects, such as spiders, ticks, silverfish, cockroaches, ants and weevil, mix 2.1 fluid oz. Deltamethrin 4.75% SC to coating for corrugated or cardboard (folding carton).

**Note:** This coating can only be applied to the outside of the corrugated or cardboard (folding carton) box or to corrugated or cardboard (folding carton) box liner that is to be used for the exterior portion of the corrugated or cardboard (folding carton) box.

**How to Apply:** Make application at a rate of one gallon of coating containing Deltamethrin 4.75% SC to 6000 to 8000 square ft. of surface (include size press, rod, blade, air knife, offset press, gravure and flexography). DO NOT APPLY TO INNER SURFACE OF BOXES.

## MASTER LABEL

### STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

**OR**

*[Avoid extremes in temperatures. Store in original container in a secured dry storage area.]*

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL: Nonrefillable container.** Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. **Containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Containers greater than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**OR**

*[If empty: Place in trash or offer for recycling if available.]*

*[If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]*

## MASTER LABEL

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Tagros Chemicals India, Ltd.'s control, it is impossible for Tagros Chemicals India, Ltd. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, TAGROS CHEMICALS INDIA, LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Tagros Chemicals India, Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Tagros Chemicals India, Ltd. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT TAGROS CHEMICALS INDIA, LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

*[Optional Marketing Language:]*

*Deltamethrin 4.75% SC is a concentrated suspension of micro-crystals of the active ingredient Deltamethrin.*

*Utilized for crack and crevice and spot applications in homes, hotels and schools, Deltamethrin 4.75% SC is a valuable tool in your integrated pest management arsenal for many types of pest control.*

*Use sites include Residential, Commercial, Residential Turf and Landscape and Ornamental Plants. Deltamethrin 4.75% SC can be applied to mattresses for control of bedbugs and lice, and is for use as a paint additive.*

*For use as a Paint Additive*

*For use in Pet Kennels*

*For use on Corrugated and Cardboard Boxes and Liners*

*For Indoor Pest Control In and On Residential and Non-Residential Buildings and Structures including food/feed handling establishments*

*Kills cockroaches in sewer manholes and related sanitary sites*



## MASTER LABEL

*Kills crawling and flying insects when exposed to treated surfaces*

*Mix Deltamethrin 4.75% SC with water and apply indoors as a crack and crevice, spot or general surface treatment with hand pressurized, backpack sprayers or power operated sprayers or other suitable equipment for indoor & outdoor pest control.*

- *Low odor*
- *Controls ants, bedbugs, cockroaches, fleas, flies, silverfish, spiders and many other listed pests*
- *Mattress and broadcast application for bedbugs and lice]*

## **SPLIT LABEL**

**73801-X**

# **DELTAMETHRIN 4.75% SC**

I.	Main Label for Indoor and Outdoor use in Residential, Industrial and Institutional Sites; Stored Grains, Seed Treatment, Grain Bins and Warehouses	Page 2
II.	Main Label for use on Paints, Corrugated Cardboard Boxes and Liners, Pet Kennels, Indoor Pest Control In and On Residential and Non-Residential Buildings and Structures including food/feed handling establishments	Page 17

1. **Main Label for Indoor and Outdoor use in Residential, Industrial and Institutional Sites; Stored Grains, Seed Treatment, Grain Bins and Warehouses**

## Deltamethrin 4.75% SC

[Optional Generic Descriptor: Insecticide]

**Intended For Use by Pest Control Operators and/or Commercial Applicators  
For Residential, Industrial and Institutional Use**

[Optional marketing statements -

- *Micro-Crystal Suspension Concentrate*
- *For use as crack and crevice and spot applications in homes, hotels, schools and food handling establishments.*
- *Controls Listed Insect/Pests in and around the Home*
- *Controls Listed Insects on Commercial and Residential Turf and Landscape Ornamental Plants*
- *Controls ants, bedbugs, cockroaches, fleas, flies, silverfish, spiders and many other listed pests.*
- *For use as a mattress application for bedbugs and lice.*
- *Broadcast spray for lawns and turfgrass to control fleas, ticks and other listed insects.*
- *For use to protect Stored Grains and seeds against damage from Indian Meal Moth, Saw-Toothed Grain Beetle, Red Flour Beetle, Rice Weevil, Maize Weevil, and many other listed pests.*
- *Mix Well]*

ACTIVE INGREDIENT:

\*Deltamethrin .....4.75%

OTHER INGREDIENTS:.....95.25%

100.00%

\*Contains 0.42 lb deltamethrin per gallon.

Reg. No.: 73801-X

EPA Est. No. : XXXXX-XX-XXX

### **KEEP OUT OF REACH OF CHILDREN CAUTION**

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

See [side panel] [inside booklet] for additional Precautionary Statements, Storage and Disposal instructions and Directions for Use.

**Manufactured by:**  
Tagros Chemicals India, Ltd.  
Jhaver Centre, Rajah  
Annamalai Building, 4<sup>th</sup> Floor  
72 Marshalls Road  
Egmore, Chennai 600 008, India

NET CONTENTS: 1 Pint or 1 Gallon

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
**CAUTION**

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

FIRST AID	
<b>If Inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	

**Environmental Hazards**

This product is extremely toxic to fresh water and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

**Physical and Chemical Hazards**

Do not use water-based sprays of Deltamethrin 4.75% SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

**DIRECTIONS FOR USE**

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**Restrictions:**

- DO NOT apply this product in hospital patient rooms while occupied or in any rooms occupied by the elderly or infirm.
- DO NOT apply in classrooms when in use.
- DO NOT apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.
- Do not apply this product more than once every 21 days.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- a. Treatment to soil or vegetation around structures;
- b. Applications to lawns, turf, and other vegetation;
- c. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.

## **PRODUCT INFORMATION**

Deltamethrin 4.75% SC is a suspension concentrate insecticide for use both indoors and outdoors for effective knockdown and long residual control of listed pests.

### **Mixing Instructions**

Mix Deltamethrin 4.75% SC with water and apply using a hand pressurized or power operated sprayer, such as Actisol or similar equipment. For outdoor broadcast application, apply as a coarse spray or with conventional hydraulic boom-type sprayer or other suitable equipment. Shake container well before using.

### **Dilution Instructions:**

- add half the water to the spray tank;
- add Deltamethrin 4.75% SC as specified in the appropriate application rates table;
- agitate well;
- add the remaining water slowly to avoid excess foam;
- thoroughly agitate the sprayer before using to insure proper suspension.

**Note:** If spraying is stopped when using a back-pack or hand-held spray equipment, reinvert sprayer before use. If spray screens are used, they must be 50 mesh or larger. Dilute Deltamethrin 4.75% SC only with water. Only prepare the spray solution when ready to make applications.

**Tank Mixing:** Tank mix Deltamethrin 4.75% SC with other currently registered pesticides unless prohibited by the product label. To check for product compatibility, a small volume mixing test with other products is recommended. Follow all restrictions and precautions specified on the labels of these tank-mix products.

## **PEST CONTROL INDOORS**

Deltamethrin 4.75% SC may be applied in and around residential and non-residential buildings including residential kitchens and food/feed handling establishments.

Mix Deltamethrin 4.75% SC with water and apply indoors as a crack and crevice, spot or general surface treatment with hand pressurized or power operated sprayers or other suitable equipment.

**For residential buildings and structures** - apply only as a crack and crevice or spot treatment.

Approved use sites include the food/feed and non-food/non-feed areas of:

Aircraft (cargo only)	Industrial buildings
Apartment buildings	Installations
Bakeries	Kitchens
Bottling facilities	Laboratories
Breweries	Mausoleums
Buses	Meat, poultry & egg processing & packaging plants
Cafeterias	Mobile & motor homes
Candy plants	Nursing homes
Canneries	Offices
Dairy product processing plants	Railcars
Food manufacturing plants	Restaurants
Food processing plants	Schools
Food service establishments	Ships & vessels
Granaries & grain mills	Trailers
Hospitals	Trucks
Hotels	Warehouses
Houses	Wineries

**Crack and Crevice:** Apply Deltamethrin 4.75% SC spray mixture to cracks and crevices in and around baseboards, floors, walls, appliances, areas around water and sewer pipes, and other voids with a low pressure system using a pinpoint or variable pattern nozzle.

**Spot Treatment:** Apply Deltamethrin 4.75% SC as a spot treatment in and around cupboards, and between, beneath and behind equipment or appliances using a low pressure system with fan-type nozzle.

**To control of carpet beetles, fleas and ticks indoors:** Apply as a coarse, low pressure crack and crevice spot treatment to problem areas and infested habitats.

**Restrictions:**

- Do not treat entire area of floor, carpet or floor coverings.
- Do not apply as a space spray.
- Do not make applications to areas where prolonged contact by humans can occur.
- Limit spot treatment to pet beds and infested floor coverings.

Application Rates			
Pests	Concentration of Active Ingredient <sup>1</sup>	Dilution Rate <sup>2</sup>	Use Instructions
ants, carpet beetles, firebrats, fleas, gnats, midges, centipedes, millipedes, pantry pests, silverfish, ticks (indoors)	0.01% - 0.03%w/w	0.25-0.75 fl. oz./gal 12.5-37.5 fl. oz./50 gals 25-75 fl. oz./100 gals	Apply at 21-day intervals. Remove pets and cover aquariums and terrariums before spraying. Do not apply to classrooms when in use. Do not use in aircraft cabins.  Treat areas that insects inhabit or where they are normally found. Use 0.25 to 1.5 fluid ounces of Deltamethrin 4.75% SC in sufficient amount of water and apply to adequately cover 1000 square feet. Do not allow dripping or run-off to occur. Under conditions of severe pest infestation, when quick knockdown and/or longer residual control is desired, use 1.5 ounces of 0.06% Deltamethrin 4.75% SC per 1,000 sq. ft.
Bees, bedbugs, boxelder bugs, fleas (outdoors), ticks (outdoors), cecid flies, cockroaches, crickets, flies (including such flies as stable, house, cluster and horseflies), elm leaf beetles, ground beetles, moths, midges, hornets, killer bees, lice, mosquitoes, Multicolored Asian Lady Beetle, pillbugs, scorpions, sowbugs, spiders, yellowjackets, wasps	0.03% - 0.06%w/w	0.75-1.5 fl. oz./gal 37.5-75 fl. oz./50 gals 75-150 fl. oz./100 gals	
Termites (Formosan & Eastern subterranean - localized control only)	0.06% w/w	1.5 fl. oz./ gal 75 fl. oz./50 gals 150 fl. oz./100 gals	
Carpenter ants	0.03% w/w	0.75 fl. oz./gal 37.5 fl. oz./50 gals 75 fl. oz./100 gals	

<sup>1</sup>The specified rate for maintenance treatments is 0.01% and for cleanout treatments is 0.03%. For control of severe infestations and longer residual control use the 0.06% rate. More frequent applications may be needed on concrete surfaces.

<sup>2</sup> 0.25 fl. oz.= 7.5 milliliters  
0.75 fl. oz.= 22.7 milliliters  
1.5 fl. oz.= 45.4 milliliters

### Premise Pest Control

To control Cockroaches, Ants, Crickets, Silverfish, Firebrats, Centipedes, Millipedes, Cloth Moths, Earwigs, Pillbugs, Sowbugs, Scorpions and Spiders

**Use Instructions:** Apply as a coarse, low pressure spot or crack and crevice spray to areas that these pests are found especially dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, and cabinets; around plumbing and other utility installations; doors, windows and in attics and crawl spaces. Make applications to floor surfaces along baseboards and around air ducts. Allow surfaces to dry before children or pets come into contact.

### **Pantry Pest Control**

To kill adult and manageable stages of insect pests such as Lesser Grain Borers, Grain Weevils, Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Merchant Grain Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Grain Mites and Spider Mites.

**Application Instructions:** Apply to cupboards, shelving and storage areas. Before spraying, remove all foodstuffs, utensils, shelf paper and other objects. Allow treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Discard any foodstuff accidentally contaminated with any spray solution.

### **Crawling and Flying Insect Pests**

Deltamethrin 4.75% SC controls crawling and flying insects such as flies, gnats, midges, mosquitoes, cockroaches, ants and silverfish.

**Application Instructions:** Use as a residual surface treatment to walls, ceilings, window screens and other resting areas inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Ants** (including Pharaoh Ants): Deltamethrin 4.75% SC may be applied to areas including where ants enter premises or live, and to trails, around doors and windows.

**Bedbugs and Lice:** Remove bed linens and wash before reuse. Apply Deltamethrin 4.75% SC to mattresses taking care to treat tufts, folds and edges until moist. Make application to the interior of the bed frame. Before remaking the bed, make sure the mattress is dry.

**Carpet Beetles, Fleas and Ticks:** Use of an IPM (integrated pest management) program should be followed. Before starting to treat, vacuum carpets, upholstered furniture, baseboards and other indoor areas where pets spend time. After vacuuming, discard the vacuum cleaner bag outside in a garbage can. Clean or replace pet bedding.

**Application Instructions:** Apply Deltamethrin 4.75% SC as a uniform coarse low-pressure spot or crack and crevice treatment to areas where pests are found. Limit spot treatments to pet bedding and its surrounding area, infested floor coverings and pest habitats.

### **Restrictions:**

- Do not treat entire area of floor, carpet or floor coverings.
- Use a dust such as [D-FENSE™ Dust] [Deltadust®] in areas around electrical equipment.
- Do not apply as a space spray.
- Restrict applications to furniture where no prolonged contact by humans will occur.
- Do not allow people or pets to contact treated areas until spray has dried.

Deltamethrin 4.75% SC can be used with an Insect Growth Regulator (IGR). For effective control of fleas, treatment directly to the pet with an EPA registered product for such use, as well as treating outside areas pets frequent may be required. Deltamethrin 4.75% SC can also be applied outdoors for flea control. DO NOT treat pets with this product.

**Pet Kennels:** Deltamethrin 4.75% SC may be applied to control crawling and flying insects in and around pet kennels. Make application as a general surface and/or crack and crevice spray. For best results, at the same time, clean the facility to be treated and use Deltamethrin 4.75% SC to treat the exterior perimeter.



**Restrictions:**

- Apply only to areas of facility where animals are not present.
- Allow spray to dry before allowing re-entry of animals into treated areas.
- Do not apply to animal feed or watering equipment.

**FOOD/FEED HANDLING ESTABLISHMENTS**

Applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as a general surface, spot or crack and crevice treatment to control of labeled pests.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). Treat any area that insects are observed in or where insects may enter.

**General Surface Applications:** Before application cover or remove all food/feed processing and/or handling equipment. After application, wash all equipment, benches, shelving and other surfaces that food/feed will contact in food/feed processing plants, cafeterias and similar facilities. Clean food/feed handling or processing equipment and rinse well with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

**Restrictions:**

- Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed.
- Do not apply to food/feed products.

**Spot or Crack & Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation provided exposed food is covered or removed from area being treated prior to application.

**Restrictions:**

- Application is prohibited in Federally inspected meat and poultry plants while such facility is in operation.
- Do not apply to food or food-handling surfaces.
- In the home, do not allow spray to contact food/feed surfaces. If it does, clean surfaces with soap and water.

**STORED GRAIN**

To control adults and accessible stages of insect pests such as, lesser grain borer, larger grain borer, Angoumois grain moth, Indian Meal moth, tobacco moth, dermestids, and bean weevil; also to suppress populations of granary weevil, rice weevil, maize weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle.

### Directions for Treatment

Dilute Deltamethrin 4.75% SC with water for FDA approved food grade mineral or soybean oils and apply to the moving grain stream as a coarse spray to provide a concentration of 0.5 ppm of deltamethrin on the grain.

Final spray volume with water solutions - 5 gallons of liquid per 1000 bushels of grain

Final spray volume with oil solutions - Apply at oil manufacturer's rates

For water solutions, intermittent agitation is necessary. For oil solutions, constant agitation is required. For uniform treatment, use a moving grain stream.

For stored grain, apply Deltamethrin 4.75% SC Insecticide in solution at the rate of 5 gallons of solution per 1000 bushels to achieve a 0.5 ppm concentration of deltamethrin. Apply at rates as shown in the tables below:

#### AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/1000 BUSHELS OF GRAIN

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE TREATMENT AT 0.5 PPM		GALLONS OF DILUTE
	FL. OZ.	ML	
BARLEY	7.31	216	5
CORN	8.53	252	5
OATS	4.88	144	5
POPCORN	8.53	252	5
RICE	6.86	202	5
RYE	8.53	252	5
SORGHUM (milo)	8.53	252	5
WHEAT	9.14	270	5

Final spray volumes to treat 100 metric tons of grain at 0.5 ppm concentrations of deltamethrin are provided in the tables below corresponding to the grain being treated.

#### AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/100 METRIC TONS OF GRAIN

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE PER 100 METRIC TONS AT		LITERS OF DILUTE SOLUTION
	FL.OZ.	ML	
BARLEY	33.6	993	86.9
CORN	33.6	993	74.5
OATS	33.6	993	130.4
POPCORN	33.6	993	74.5
RICE	33.6	993	92.7
RYE	33.6	993	74.5
SORGHUM (milo)	33.6	993	74.5
WHEAT	33.6	993	69.5

## **SEED TREATMENT**

Apply Deltamethrin 4.75% SC to protect stored grain seed against injury from stored grain insects listed above. Clean and treat seed storage areas prior to storage. If seed is insect infested, fumigate\*\* to control existing populations and apply Deltamethrin 4.75% SC for residual protection. Deltamethrin 4.75% SC may also be used in conjunction with registered fungicide or other insecticide seed protectants, to protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seed during the seed treating process, and prior to bagging or placing in bulk seed storage at the rate of 0.5 ppm. When treating seed with other pesticide products, the treated seed should be properly tagged, indicating the seed should not be used for food, feed or oil purposes. Seed treated with Deltamethrin 4.75% SC alone is considered grain.

\*\*Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

## **GRAIN BINS AND WAREHOUSES**

Dilute 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Before storing or handling grain, apply finished spray to equipment, wall and floor surfaces of grain bins and warehouses at the rate of 1 gallon per 1000 sq. ft. but do not allow run-off to occur. Apply after equipment bins and buildings have been thoroughly cleaned. Empty bins or warehouses should be fumigated with an EPA registered fumigant according to the manufacturer's label recommendations as well as areas that are difficult to get into. Use Deltamethrin 4.75% SC as a perimeter treatment to prevent infestation of these structures. Apply to areas where pests are seen or may find entrance. Treat a band of soil or lawn up to 6-10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1000 sq. ft. Thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

## **PEST CONTROL OUTDOORS**

Apply Deltamethrin 4.75% SC as a perimeter treatment, residual spray or broadcast application to lawns, grounds and ornamental plantings.

Apply as a perimeter treatment or residual spray around residential and non-residential settings. Treatments should begin at the first sighting of pests.

### **Restrictions:**

- DO NOT apply Deltamethrin 4.75% SC through any type of irrigation system.
- DO NOT water the treated area to the point of run-off.
- DO NOT make applications during rain.
- DO NOT apply this product to edible crops.

**Residual Spray:** Apply Deltamethrin 4.75% SC as a coarse low-pressure spray at the rate of 0.75 to 1.5 fl.oz.to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse dumps, garages and lawns.

**Perimeter Treatments:** For best results, apply Deltamethrin 4.75% SC to areas where pests are seen and may find entrance. Treat a band of soil or lawn up to 6 -10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of 0.25 to 1.5 fl. oz. of Deltamethrin 4.75% SC in sufficient amount of water. (See Mixing Directions for Perimeter Application below). Use an adequate volume to thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

**MIXING DIRECTIONS FOR Deltamethrin 4.75% SC  
OUTDOOR PERIMETER APPLICATION**

**I. Deltamethrin 4.75% SC DILUTION (0.25 oz. /1000 sq. ft.) - (Based on one home being 1,000 sq. ft.)**

Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft.	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	3.75	15	6.25	25	12.50	50	25.00	100
3	1.25	5	2.08	8	4.17	16	8.33	33
5	0.75	3	1.25	5	2.50	10	5.00	20
10	0.37	1.5	0.63	2.5	1.25	5	2.50	10

\*Based on Deltamethrin 4.75% SC applied at 0.25 ounces per 1,000 square feet treated per home or structure.

**II. Deltamethrin 4.75% SC DILUTION (1.00 oz. /1000 sq. ft.)**

Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft.	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	15.0	15	25.0	25	50	50	100.0	100
3	5.0	5	8.4	8.3	16.70	16.7	33.3	33.3
5	3.0	3	5.0	5	10.0	10	20.0	20
10	1.5	1.5	2.5	2.5	5.0	5	10.0	10

\*Based on Deltamethrin 4.75% SC applied at 1.00 ounce per 1,000 square feet treated per home or structure.

**Fleas and Ticks:** To control fleas and ticks, make application of Deltamethrin 4.75% SC as a coarse wet spray. Treat dog houses, kennels, run areas, cracks and crevices in sidewalks, patios, areas under plants, shrubs, bushes, trees, or other moist, shaded areas where pests are known to rest.

**Fire Ants:** Dilute 1.5 oz. per one gallon of water and apply Deltamethrin 4.75% SC as a drench treatment. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding area to a 2-foot diameter. Best results are obtained when applied in cool weather, 65 to 80°F or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

**Wood-Infesting Insects:** For control of wood-infesting beetles on surfaces in homes and other structures, apply a 0.06% suspension of Deltamethrin 4.75% SC. Brush or spray the suspension evenly on wood surfaces to treat small areas. Use a coarse spray to treat large or overhead areas of homes, apartment buildings, etc., and thoroughly cover the area. Before spraying, cover all surfaces below the treatment area with plastic sheeting or other material. After spraying, dispose of the plastic sheeting or other material in the trash. Allow surfaces in the treated area to dry completely before coming into contact.

**Restrictions:** Do not apply Deltamethrin 4.75% SC until the location of heating or air conditioning ducts, vents, water and sewer lines and electrical conduits are identified. Once known, applications may be made around these structures, however, be careful to avoid contamination of these structures and airways.

**Foam Application:** To treat structural voids for the control of insect and arthropod pests in walls, under slabs or in other void areas, convert Deltamethrin 4.75% SC to a foam by mixing the end-use dilution of Deltamethrin 4.75% SC with the manufacturer's recommended volume of foaming agent. Use the rate as recommended for a suspension treatment converted to a foam to get the correct foam expansion ratios. Before treatment check to make sure that the foaming agent is compatible with Deltamethrin 4.75% SC.

For control of **above-ground termites and wood-infesting beetles** in localized areas, apply a 0.06% suspension or sufficient volume of foam of Deltamethrin 4.75% SC to voids and galleries in damaged wood and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling and then injecting the suspension or foam with a suitable directional injector into the damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

To control **termite carton nests** in building voids and trees, inject a 0.06% suspension or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. For best results, remove carton nest material from building voids and trees when nests are found. Termite carton nests in trees may be injected with 0.06% suspension or foam using a pointed injection tool.

To control **exposed worker and winged reproductive forms of termites**, applications to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.06% suspension. For control of **swarming or reproductive stages of termites**, apply a 0.06% suspension to the swarm or area on which they collect. Deltamethrin 4.75% SC will kill **workers or winged reproductive forms** present at the time of treatment. These applications are supplemental only, and do not take the place of mechanical alteration, soil treatment or foundation treatment.

For control of **above-ground termites and carpenter ants** inside trees, utility poles, fencing and decking materials and similar structures, locate the infested area by drilling then inject 0.06% suspension or foam using an appropriate treatment tool with a splashback guard.

For protection of firewood from **carpenter ants and termites**, before stacking firewood, treat the soil underneath with a 0.06% suspension at 1 gallon per 8 square feet to prevent infestation. DO NOT treat firewood with this product.

For control of **carpenter ants** in houses and other structures, use a 0.06% suspension and apply as a general surface, spot, crack and crevice or wall void application using coarse spray or foam to thoroughly cover the treatment area. Make application around doors and windows and any other areas where carpenter ants may gain entrance. Apply as a spray or foam into cracks and crevices, and drill small holes into voids where ants or nests may be present. Do not apply more than 1 gallon of dilute suspension per 1000 square feet of treated surface.

For control of **tunneling carpenter ants** in soil, apply a 0.06% suspension as a drench or inject the suspension or foam at 8 to 12 inch intervals. Create a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For control of **carpenter bees** in structures, apply a 0.06% suspension or sufficient volume of foam directly into gallery entrance holes. Leave the entrance holes open for 24 hours to make sure that returning adult bees are killed. If no activity is visible, use an appropriate sealant to seal the hole.

## TURFGRASS APPLICATIONS

Deltamethrin 4.75% SC controls listed insects on turfgrasses and ornamental plants in outdoor areas such as athletic fields, recreational areas, residential landscapes, parks, and public and commercial sites. Make application when insects first appear ensuring uniform coverage.

Apply as a broadcast application using a minimum of 2 gallons of water per 1000 sq. ft. with a hydraulic boom-type sprayer or other suitable equipment for turfgrass pests. Follow the specified rates listed in the Application Rates for Turfgrass Sites table. Use higher volumes (4 to 10 gallons of water per 1000 sq. ft.) for areas of dense turfgrass and/or where turfgrass is mowed at greater heights. Control is achieved when the insecticide contacts the target pest. For best results on surface-feeding insects, do not irrigate or mow within 24 hours after application. For subsurface-feeding insects, apply 0.25 to 0.5 inch of water immediately after application. Do not allow people or pests into the treatment area until turfgrass has dried.

**Tank Mixing:** Deltamethrin 4.75% SC may be tank-mixed with other pest control or fertilizer products. Observe all restrictions, precautions and limitations appearing on the tank-mix partner label. To check for compatibility with Deltamethrin 4.75% SC, mix a small test sample of the products in the correct proportions with water in a quart jar. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.

**RESTRICTIONS:** In New York State, product may not be applied to turf within 100 feet of a coastal marsh or stream that drains directly into a coastal marsh. For control of turf insects in New York, a second application may be made after two weeks if target insect activity persists.

Application Rates For Turfgrass Sites			
Sites	Pests	Rates	Use Instructions
Athletic fields, recreational areas, lawns & grounds, residential areas, parks, public and commercial sites	Ants, armyworms, centipedes, chiggers, cockroaches, crickets, cutworms, fleas(adult), grasshoppers, ground beetles, Japanese beetles (adults), leafhoppers, mealybugs, pillbugs, scorpions, sod webworms, sowbugs, springtails, spiders, ticks	0.4 to 0.6 fl. oz./1000 sq. ft. or 17.5 to 26 fl. oz./Acre or 0.06 to 0.08 lb. ai/A	Apply at first sign of pest presence. Apply as a broadcast spray in a minimum of 2 gallons of water per 1000 sq. ft.  For best control of surface feeders such as cutworms and webworms, do not water or mow for 24 hours after application. For subsurface-feeders, such as mole crickets, apply 0.25 to 0.5 inch of water immediately after application. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.
	Annual bluegrass weevil (adult), billbugs (adult), black turfgrass ataenius (adult), chinch bugs, mites*, mole crickets.	0.6 to 0.9 fl. oz./sq. ft. or 26 to 39 fl. oz./Acre or 0.08 to 0.13 lb. ai/A	

\*Suppression Only

## LANDSCAPE ORNAMENTAL TREATMENTS

Use Deltamethrin 4.75% SC to control the listed insects when applied as directed in the Application Rates for Ornamentals table below. Mix the Deltamethrin 4.75% SC with the required amount of water and apply as a finished spray to upper and lower leaf surfaces to ensure thorough coverage, but not to the point of run-off. Make sure to apply sufficient product to wet the leaves, trunk and branches of ornamentals.

**Restrictions:** Similar formulations have been tested on many species of ornamental plants with good results, but if local use information in this product is not available, it is recommended to pre-spray a few plants to check for compatibility.

Application Rates for Ornamentals:			
Sites	Pests	Rates	Remarks
Landscape ornamentals including trees, shrubs, evergreens and foliage plants	Adelgids, ants, aphids, azalea lace bugs, bagworms, boxelder bugs, cankerworms, cardamom thrips, cockroaches, crickets, elm leaf beetles, elm spanworms, European pine sawflies, fall webworms, flea beetles, flies, fungus gnats, grasshoppers, greenstriped mapleworm, Gypsy moth (larvae), imported willow leaf beetles, Japanese beetles (adults)*, June beetles (adults), lace bugs, leaf-feeding caterpillars, leafhoppers, leaf rollers, loopers, leaf skeletonizers, mealybugs, midges, mimosa webworms, mites**, orangestriped oakworms, pillbugs, pine shoot beetles, pine tip moths, pinyon spindlegall midges, plant bugs, redhumped caterpillar, red imported fire ants, sawfly larvae, sowbugs, spiders, springtails, spanworms, scale insects (crawlers), tent caterpillars, ticks, webworms, yellownecked caterpillar	4 to 8 oz./100 gallons of water	Apply at first sign of pest presence.  Mix Deltamethrin 4.74% SC with the required amount of water and apply as a finished spray to ensure thorough coverage of all plant surfaces, but not to the point of run-off.

\*Will provide anti-feedant properties on treated ornamentals against Japanese beetles.

\*\*Suppression only.

### STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING: Nonrefillable container.** Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. **Containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Containers greater than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Tagros Chemicals India, Ltd.'s control, it is impossible for Tagros Chemicals India, Ltd. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, TAGROS CHEMICALS INDIA, LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF



MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Tagros Chemicals India, Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Tagros Chemicals India, Ltd. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT TAGROS CHEMICALS INDIA, LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

II. Main Label for use on Paints and other surfaces

# Deltamethrin 4.75% SC

[Optional Generic Descriptor: Insecticide]

*[For use as a Paint Additive]*

*[For use in Pet Kennels]*

*[For use in Corrugated and Cardboard Boxes and Liners]*

*[For Indoor Pest Control In and On Residential and Non-Residential Buildings and Structures including food/feed handling establishments]*

*[Kills cockroaches in sewer manholes and related sanitary sites]*

*[Kills crawling and flying insects when exposed to treated surfaces]*

ACTIVE INGREDIENT:

\*Deltamethrin .....4.75%

OTHER INGREDIENTS : .....95.25%

100.00%

\*Contains 0.42 lb deltamethrin per gallon.

Reg. No.: 73801-X

EPA Est. No. : XXXXX-XX-XXX

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

See [side panel] [inside booklet] for additional Precautionary Statements, Storage and Disposal instructions and Directions for Use

Manufactured for:

Tagros Chemicals India, Ltd.

Jhaver Centre, Rajah

Annamalai Building, 4<sup>th</sup> Floor

72 Marshalls Road

Egmore, Chennai 600 008, India

NET CONTENTS: 1 Pint or 1 Gallon

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

FIRST AID	
<b>If Inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	

**Environmental Hazards**

This product is extremely toxic to fresh water and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

**Physical and Chemical Hazards**

Do not use water-based sprays of Deltamethrin 4.75% SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**Restrictions:**

- Do not apply to classrooms when in use.
- Do not use in aircraft cabins.
- Do not apply this product in occupied patient rooms or in any rooms/areas while occupied by patients, the elderly or infirm.
- Do not apply to institutions including libraries, sports facilities, or in the immediate area when occupants are present.
- Do not apply this product more than once every 21 days.

**PAINT ADDITIVE USE**

Deltamethrin 4.75% SC may be mixed with latex coatings and oil-based coatings such as stains, varnishes and sealers for use to kill crawling and flying insects when exposed to treated surfaces.

**Note:** To ensure product efficacy, do not prepare more than the amount of latex coating that can be applied within 3 hours of mixing. For oil-based coating, stains, varnish or sealers, the amount of coating formulated should not exceed the amount that can be applied within 6 hours.

**Restrictions:** Do not allow children or pets to enter the treated area until surfaces are dry.

**Mixing Instructions:** Add 1 2/3 fl. oz. to 1 gallon [8 1/3 fl. oz. to 5 gallons] of latex coating (water base), oil base coating, and stains or sealers. Mix well to insure proper dilution.

**How to Apply:** Apply treated coating with brush, roller, or conventional airless equipment.

#### **FOR INDOOR PEST CONTROL**

Deltamethrin 4.75% SC may be applied in and on residential and non-residential buildings and structures including residential kitchens and food/feed handling establishments. This product can be applied to non-food contact surfaces of walls, floors, ceilings, in and around cabinets, behind and beneath equipment and appliances, around floor drains, window and door frames and around plumbing, sinks and other possible pest harborage sites.

**Note:** Deltamethrin 4.75% SC can be applied only as a crack and crevice or spot treatment indoors. Do not use for broadcast interior applications such as entire walls, ceilings, and floors.

Permitted areas of use include the food/feed and non-food/non-feed areas of:

Aircraft (cargo area only)	Industrial buildings
Apartment buildings	Installations Kitchens
Bakeries	Laboratories Mausoleums
Bottling facilities	Meat, poultry and egg processing
Breweries Buses	and packaging plants
Cafeterias Candy plants	Mobile and motor homes
Canneries	Nursing homes Offices
Dairy product processing plants	Railcars
Food manufacturing plants	Restaurants Schools
Food processing plants	Ships and vessels
Food service establishments	Trailers
Granaries and grain mills	Trucks
Hospitals	Warehouses
Hotels	Wineries
Houses	

**Pantry Pest Control:** To kill adult and accessible stages of insect pests: Spiders, ticks, cockroaches and ants. Make application to cupboards, shelving and storage areas. Remove all foodstuffs, all utensils, shelf paper and other objects before coating with this product. Allow all treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Any foodstuff accidentally contaminated with any coating solution should be discarded.

**Crawling Insect Pests (such as Spiders, Ticks, Cockroaches, Mosquitoes, Imported and , Southern Fire Ants, Leafcutter Ants and Silverfish):** Apply Deltamethrin 4.75% SC to localized areas of walls, ceilings and other resting areas as a crack and crevice or spot treatment.

Deltamethrin 4.75% SC may be used inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Pet Kennels:** For residual control of crawling and flying insects in and around these structures, apply as cracks and crevices or spot treatment. Optimal control results if facilities to be treated are clean, and coated surfaces are cleaned regularly (every 21 days). Apply only to areas of facility where animals are not present. Allow coating to dry before allowing re-entry of animals into treated areas. Do not apply to animal feed or watering equipment.

**Food/Feed Handling Establishments:** For control of all labeled pests, applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as spot or crack and crevice treatment.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Examples of non-food/non-feed areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). All areas that insects inhabit or through which insects may enter should be treated.

**Note:** Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed. Do not apply directly to food/feed products. Cover or remove all food/feed processing and/or handling equipment during application. After application in food/feed processing plants, cafeterias and similar facilities wash all equipment, benches, shelving and other surfaces which food/feed will contact. Clean food/feed handling or processing equipment and thoroughly rinse with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

**Spot or Crack and Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation, provided exposed food is covered or removed from area being treated prior to application. Do not apply directly to food or food-handling surfaces. In the home, do not allow coating to contact food/feed surfaces. If it does, clean surfaces with soap and water.

## **FOR OUTDOOR PEST CONTROL**

### **Intended For Commercial/Industrial Use Only**

Kills cockroaches in sewer manholes and related sanitary sites.

**Application Instructions:** To control cockroaches in manholes, sewers, sewer cleanouts, floor drains and underground utility vaults. Apply product on manhole walls. Product may be applied via coarse spray using conventional airless spray equipment. Persons applying product in manhole must comply with CLOSED ENTRY requirements of government agencies.

Apply treated latex coating with remote access application equipment.

**Residual Application:** Apply Deltamethrin 4.75% SC to surfaces of buildings, porches, window frames, eaves, patios and garages, to control Spiders, Ticks, American and German Cockroaches, Silverfish, Imported and Southern Fire Ants and Leafcutter Ants.

**Note:** Do not apply to furniture, swing sets, or other outdoor playground articles.

## **CORRUGATED and CARDBOARD BOXES AND LINERS**

### **Intended For Commercial/Industrial Use Only**

Deltamethrin 4.75% SC provides residual protection to the outer surface of corrugated and cardboard (folding carton) boxes against insects that damage or feed on paper, corrugated or cardboard (folding carton).

**Mixing Instructions:** To protect the outer surface of the box from damage from insects, such as spiders, ticks, silverfish, cockroaches, ants and weevil, mix 2.1 fluid oz. Deltamethrin 4.75% SC to coating for corrugated or cardboard (folding carton).

**Note:** This coating can only be applied to the outside of the corrugated or cardboard (folding carton) box or to corrugated or cardboard (folding carton) box liner that is to be used for the exterior portion of the corrugated or cardboard (folding carton) box.

**How to Apply:** Make application at a rate of one gallon of coating containing Deltamethrin 4.75% SC to 6000 to 8000 square ft. of surface (include size press, rod, blade, air knife, offset press, gravure and flexography). **DO NOT APPLY TO INNER SURFACE OF BOXES.**

### **STORAGE & DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Avoid extremes in temperatures. Store in original container in a secured dry storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. *[Triple rinse (or equivalent) promptly after emptying. Containers less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.]*

**OR**

*[If empty: Place in trash or offer for recycling if available.*

*If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]*

### **LIMITATION OF WARRANTY AND LIABILITY**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Tagros Chemical India, Ltd.'s control, it is impossible for Tagros Chemical India, Ltd. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, TAGROS CHEMICAL INDIA, LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Tagros Chemical India, Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Tagros Chemical India, Ltd. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT TAGROS CHEMICAL INDIA, LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

## Odiott, Olga

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**From:** Jane Miller [jmill@biologicconsulting.com]  
**Sent:** Sunday, December 22, 2013 4:47 PM  
**To:** Odiott, Olga  
**Subject:** FW: 73801-U - Revised Labels - Use These!  
**Attachments:** 20131221.73801-U.Deltamethrin 4 75 SC.SPLIT LABEL.revised per epa comments.pdf;  
20131221.73801-U.Deltamethrin 4 75 SC.MASTER LABEL.revised per epa comments.pdf

Dear Ms Odiott,

I was mistaken. Please use the attached labels instead of the previous label I sent you. We DO need a split label.

Best Regards,

*Jane M. Miller*

BIOLOGIC CONSULTING, INC.

115 Obtuse Hill Road  
Brookfield, CT 06804

Tel: 203-740-1200

Fax: 203-740-1220

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**From:** Odiott, Olga [mailto:Odiott.Olga@epa.gov]  
**Sent:** Thursday, December 19, 2013 1:24 PM  
**To:** jmill@biologicconsulting.com  
**Subject:** 73801-U Label comments

Hi Jane;

Please make the following changes to the master and split labels:

**Master label**

Page 15 & 16: Under Outdoor Pest Control & Corrugated boxes and liners, add "Intended for" to For commercial/Industrial Use Only.

Page 18: Revise the optional marketing language by deleting D-Fense SC from the claims. D-Fense SC is a brand name for the product you are claiming similarity to.

**Split labels**

Page 3: Please reinstate the general restrictions directly under the Directions for use, as on the master labels. They apply to most of the uses on the split label (the ones you are only listing under Pest control outdoors, apply also to turfgrass /landscape).

Page 21: Under Corrugated boxes and liners, add "Intended for" to For commercial/Industrial Use Only.

Page 17: Delete Plastics and fabrics from the marketing claims and headings on the split labels. There are no use instructions for plastics and fabrics.

Add "Do not apply this product more than once every 21 days" under Directions for use.

If you have any questions, please let me know.

Regards,  
Olga



---

Olga Odiott, Senior Biologist  
Insecticides Branch / Registration Division  
Office of Pesticide Programs  
Environmental Protection Agency  
703-308-9369  
[odiott.olga@epa.gov](mailto:odiott.olga@epa.gov)

## Odiott, Olga

---

**From:** Odiott, Olga  
**Sent:** Thursday, December 19, 2013 1:24 PM  
**To:** 'jmillar@biologicconsulting.com'  
**Subject:** 73801-U Label comments

Hi Jane;

Please make the following changes to the master and split labels:

### **Master label**

Page 15 & 16: Under Outdoor Pest Control & Corrugated boxes and liners, add "*Intended for*" to *For commercial/Industrial Use Only*.

Page 18: Revise the optional marketing language by deleting D-Fense SC from the claims. D-Fense SC is a brand name for the product you are claiming similarity to.

### **Split labels**

Page 3: Please reinstate the general restrictions directly under the Directions for use, as on the master labels. They apply to most of the uses on the split label (the ones you are only listing under Pest control outdoors, apply also to turfgrass /landscape).

Page 21: Under Corrugated boxes and liners, add "*Intended for*" to *For commercial/Industrial Use Only*.

Page 17: Delete Plastics and fabrics from the marketing claims and headings on the split labels. There are no use instructions for plastics and fabrics.

Add "*Do not apply this product more than once every 21 days*" under Directions for use.

If you have any questions, please let me know.

Regards,

Olga

---

Olga Odiott, Senior Biologist  
Insecticides Branch / Registration Division  
Office of Pesticide Programs  
Environmental Protection Agency  
703-308-9369  
[odiott.olga@epa.gov](mailto:odiott.olga@epa.gov)

## MASTER LABEL

# Deltamethrin 4.75% SC

[Optional Generic Descriptor: Insecticide]

**Intended For Use by Pest Control Operators and/or Commercial Applicators  
For Residential, Industrial and Institutional Use**

- *Micro-Crystal Suspension Concentrate* ✓
- *For use as crack and crevice and spot applications in homes, hotels, schools and food handling establishments.* ✓
- *Controls Listed Insect/Pests in and around the Home* ✓
- *Controls Listed Insects on Commercial and Residential Turf and Landscape Ornamental Plants* ✓
- *Controls ants, bedbugs, cockroaches, fleas, flies, silverfish, spiders and many other listed pests.* ✓
- *For use as a mattress application for bedbugs and lice.* ✓
- *Broadcast spray for lawns and turfgrass to control fleas, ticks and other listed insects.* ✓
- *For use to protect Stored Grains and seeds against damage from Indian Meal Moth, Saw-Toothed Grain Beetle, Red Flour Beetle, Rice Weevil, Moize Weevil, and many other listed pests.* ✓
- *Mix Well*

### ACTIVE INGREDIENT:

\*Deltamethrin .....4.75%

OTHER INGREDIENTS : .....95.25%

100.00%

\*Contains 0.42 lb deltamethrin per gallon.

EPA Reg. No.: 73801-X

EPA Est. No. : XXXXX-XX-XXX

## KEEP OUT OF REACH OF CHILDREN CAUTION

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

See [side panel] [inside booklet] for additional Precautionary Statements, Storage and Disposal instructions and Directions for Use.

**Manufactured by:**  
Tagros Chemicals India, Ltd.  
Jhaver Centre, Rajah  
Annamalai Building, 4<sup>th</sup> Floor  
72 Marshalls Road  
Egmore, Chennai 600 008, India

NET CONTENTS: 1 Pint or 1 Gallon

## MASTER LABEL

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	

### Environmental Hazards

This product is extremely toxic to fresh water and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

### Physical and Chemical Hazards

Do not use water-based sprays of Deltamethrin 4.75% SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

### RESTRICTIONS:

1. DO NOT apply Deltamethrin 4.75% SC through any type of irrigation system.
2. DO NOT water the treated area to the point of run-off.
3. DO NOT make applications during rain.
4. DO NOT apply this product to edible crops.
5. DO NOT apply this product in hospital patient rooms while occupied or in any rooms occupied by the elderly or infirm.
6. DO NOT apply in classrooms when in use.
7. DO NOT apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.
8. Do not apply this product more than once every 21 days.

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the

## MASTER LABEL

following permitted uses:

- a. Treatment to soil or vegetation around structures;
- b. Applications to lawns, turf, and other vegetation;
- c. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.

### PRODUCT INFORMATION

Deltamethrin 4.75% SC is a suspension concentrate insecticide for use both indoors and outdoors for effective knockdown and long residual control of listed pests.

#### Mixing Instructions

Mix Deltamethrin 4.75% SC with water and apply using a hand pressurized or power operated sprayer, such as Actisol or similar equipment. For outdoor broadcast application, apply as a coarse spray or with conventional hydraulic boom-type sprayer or other suitable equipment. Shake container well before using.

#### Dilution Instructions:

- add half the water to the spray tank;
- add Deltamethrin 4.75% SC as specified in the appropriate application rates table;
- agitate well;
- add the remaining water slowly to avoid excess foam;
- thoroughly agitate the sprayer before using to insure proper suspension.

**Note:** If spraying is stopped when using a back-pack or hand-held spray equipment, reinvert sprayer before use. If spray screens are used, they must be 50 mesh or larger. Dilute Deltamethrin 4.75% SC only with water. Only prepare the spray solution when ready to make applications.

**Tank Mixing:** Tank mix Deltamethrin 4.75% SC with other currently registered pesticides unless prohibited by the product label. To check for product compatibility, a small volume mixing test with other products is recommended. Follow all restrictions and precautions specified on the labels of these tank-mix products.

### PEST CONTROL INDOORS

Deltamethrin 4.75% SC may be applied in and around residential and non-residential buildings including residential kitchens and all types of food/feed handling establishments.

Mix Deltamethrin 4.75% SC with water and apply indoors as a crack and crevice, spot or general surface treatment with hand pressurized or power operated sprayers or other suitable equipment.

For residential buildings and structures - apply only as a crack and crevice or spot treatment.

## MASTER LABEL

Approved use sites include the food/feed and non-food/non-feed areas of:

Aircraft (cargo only)	Industrial buildings
Apartment buildings	Installations
Bakeries	Kitchens
Bottling facilities	Laboratories
Breweries	Mausoleums
Buses	Meat, poultry & egg processing & packaging plants
Cafeterias	Mobile & motor homes
Candy plants	Nursing homes
Canneries	Offices
Dairy product processing plants	Railcars
Food manufacturing plants	Restaurants
Food processing plants	Schools
Food service establishments	Ships & vessels
Granaries & grain mills	Trailers
Hospitals	Trucks
Hotels	Warehouses
Houses	Wineries

**Crack and Crevice:** Apply Deltamethrin 4.75% SC spray mixture to cracks and crevices in and around baseboards, floors, walls, appliances, areas around water and sewer pipes, and other voids with a low pressure system using a pinpoint or variable pattern nozzle.

**Spot Treatment:** Apply Deltamethrin 4.75% SC as a spot treatment in and around cupboards, and between, beneath and behind equipment or appliances using a low pressure system with fan-type nozzle.

**To control of carpet beetles, fleas and ticks indoors:** Apply as a coarse, low pressure crack and crevice spot treatment to problem areas and infested habitats.

### Restrictions:

- Do not treat entire area of floor, carpet or floor coverings.
- Do not apply as a space spray.
- Do not make applications to areas where prolonged contact by humans can occur.
- Limit spot treatment to pet beds and infested floor coverings.

4

# MASTER LABEL

Application Rates			
Pests	Concentration of Active Ingredient <sup>1</sup>	Dilution Rate <sup>2</sup>	Use Instructions
ants, carpet beetles, firebrats, fleas, gnats, midges, centipedes, millipedes, pantry pests, silverfish, ticks (indoors)	0.01% - 0.03%w/w	0.25-0.75 fl. oz./gal 12.5-37.5 fl. oz./50 gals 25-75 fl. oz./100 gals	Apply at 21-day intervals. Remove pets and cover aquariums and terrariums before spraying. Do not apply to classrooms when in use. Do not use in aircraft cabins.
Bees, bedbugs, boxelder bugs, fleas (outdoors), ticks (outdoors), cecid flies, cockroaches, crickets, flies (including such flies as stable, house, cluster and horseflies), elm leaf beetles, ground beetles, moths, midges, hornets, killer bees, lice, mosquitoes, Multicolored Asian Lady Beetle, pillbugs, scorpions, sowbugs, spiders, yellowjackets, wasps	0.03% - 0.06%w/w	0.75-1.5 fl. oz./gal 37.5-75 fl. oz./50 gals 75-150 fl. oz./100 gals	Treat areas that insects inhabit or where they are normally found. Use 0.25 to 1.5 fluid ounces of Deltamethrin 4.75% SC in sufficient amount of water and apply to adequately cover 1000 square feet. Do not allow dripping or run-off to occur. Under conditions of severe pest infestation, when quick knockdown and/or longer residual control is desired, use 1.5 ounces of 0.06% Deltamethrin 4.75% SC per 1,000 sq. ft.
Termites (Formosan & Eastern subterranean - localized control only)	0.06% w/w	1.5 fl. oz./ gal 75 fl. oz./50 gals 150 fl. oz./100 gals	
Carpenter ants	0.03% w/w	0.75 fl. oz./gal 37.5 fl. oz./50 gals 75 fl. oz./100 gals	
<sup>1</sup> The specified rate for maintenance treatments is 0.01% and for cleanout treatments is 0.03%. For control of severe infestations and longer residual control use the 0.06% rate. More frequent applications may be needed on concrete surfaces. <sup>2</sup> 0.25 fl. oz.= 7.5 milliliters 0.75 fl. oz.= 22.7 milliliters 1.5 fl. oz.= 45.4 milliliters			

## Premise Pest Control

To control Cockroaches, Ants, Crickets, Silverfish, Firebrats, Centipedes, Millipedes, Cloth Moths, Earwigs, Pillbugs, Sowbugs, Scorpions and Spiders

**Use Instructions:** Apply as a coarse, low pressure spot or crack and crevice spray to areas that these pests are found especially dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, and cabinets; around plumbing and other utility installations; doors, windows and in attics and crawl spaces. Make applications to floor surfaces along baseboards and around air ducts. Allow surfaces to dry before children or pets come into contact.

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### Pantry Pest Control

To kill adult and manageable stages of insect pests such as Lesser Grain Borers, Grain Weevils, Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Merchant Grain Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Grain Mites and Spider Mites.

**Application Instructions:** Apply to cupboards, shelving and storage areas. Before spraying, remove all foodstuffs, utensils, shelf paper and other objects. Allow treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Discard any foodstuff accidentally contaminated with any spray solution.

### Crawling and Flying Insect Pests

Deltamethrin 4.75% SC controls crawling and flying insects such as flies, gnats, midges, mosquitoes, cockroaches, ants and silverfish.

**Application Instructions:** Use as a residual surface treatment to walls, ceilings, window screens and other resting areas inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Ants** (including Pharaoh Ants): Deltamethrin 4.75% SC may be applied to areas including where ants enter premises or live, and to trails, around doors and windows.

**Bedbugs and Lice:** Remove bed linens and wash before reuse. Apply Deltamethrin 4.75% SC to mattresses taking care to treat tufts, folds and edges until moist. Make application to the interior of the bed frame. Before remaking the bed, make sure the mattress is dry.

**Carpet Beetles, Fleas and Ticks:** Use of an IPM (integrated pest management) program should be followed. Before starting to treat, vacuum carpets, upholstered furniture, baseboards and other indoor areas where pets spend time. After vacuuming, discard the vacuum cleaner bag outside in a garbage can. Clean or replace pet bedding.

**Application Instructions:** Apply Deltamethrin 4.75% SC as a uniform coarse low-pressure spot or crack and crevice treatment to areas where pests are found. Limit spot treatments to pet bedding and its surrounding area, infested floor coverings and pest habitats.

### Restrictions:

- Do not treat entire area of floor, carpet or floor coverings.
- Use a dust such as [D-FENSE™ Dust] [Deltadust®] in areas around electrical equipment.
- Do not apply as a space spray.
- Restrict applications to furniture where no prolonged contact by humans will occur.
- Do not allow people or pets to contact treated areas until spray has dried.

Deltamethrin 4.75% SC can be used with an Insect Growth Regulator (IGR). For effective control of fleas, treatment directly to the pet with an EPA registered product for such use, as well as treating outside areas pets frequent may be required. Deltamethrin 4.75% SC can also be applied outdoors for flea control. DO NOT treat pets with this product.

**Pet Kennels:** Deltamethrin 4.75% SC may be applied to control crawling and flying insects in and around pet kennels. Make application as a general surface and/or crack and crevice spray. For best results, at the same time, clean the facility to be treated and use Deltamethrin 4.75% SC to treat the exterior perimeter.



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### Restrictions:

- Apply only to areas of facility where animals are not present.
- Allow spray to dry before allowing re-entry of animals into treated areas.
- Do not apply to animal feed or watering equipment.

### FOOD/FEED HANDLING ESTABLISHMENTS

Applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as a general surface, spot or crack and crevice treatment to control of labeled pests.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). Treat any area that insects are observed in or where insects may enter.

**General Surface Applications:** Before application cover or remove all food/feed processing and/or handling equipment. After application, wash all equipment, benches, shelving and other surfaces that food/feed will contact in food/feed processing plants, cafeterias and similar facilities. Clean food/feed handling or processing equipment and rinse well with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

### Restrictions:

- Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed.
- Do not apply to food/feed products.

**Spot or Crack & Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation provided exposed food is covered or removed from area being treated prior to application.

### Restrictions:

- Application is prohibited in Federally inspected meat and poultry plants while such facility is in operation.
- Do not apply to food or food-handling surfaces.
- In the home, do not allow spray to contact food/feed surfaces. If it does, clean surfaces with soap and water.

### STORED GRAIN

To control adults and accessible stages of insect pests such as, lesser grain bore, larger grain borer, Angoumois grain moth, Indian Meal moth, tobacco moth, dermestids, and bean weevil; also to suppress populations of granary weevil, rice weevil, maize weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle.

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### Directions for Treatment

Dilute Deltamethrin 4.75% SC with water for FDA approved food grade mineral or soybean oils and apply to the moving grain stream as a coarse spray to provide a concentration of 0.5 ppm of deltamethrin on the grain.

Final spray volume with water solutions - 5 gallons of liquid per 1000 bushels of grain

Final spray volume with oil solutions - Apply at oil manufacturer's rates

For water solutions, intermittent agitation is necessary. For oil solutions, constant agitation is required. For uniform treatment, use a moving grain stream.

For stored grain, apply Deltamethrin 4.75% SC Insecticide in solution at the rate of 5 gallons of solution per 1000 bushels to achieve a 0.5 ppm concentration of deltamethrin. Apply at rates as shown in the tables below:

**AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/1000 BUSHELS OF GRAIN**

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE TREATMENT AT 0.5 PPM		GALLONS OF DILUTE
	FL. OZ.	ML	
BARLEY	7.31	216	5
CORN	8.53	252	5
OATS	4.88	144	5
POPCORN	8.53	252	5
RICE	6.86	202	5
RYE	8.53	252	5
SORGHUM (milo)	8.53	252	5
WHEAT	9.14	270	5

Final spray volumes to treat 100 metric tons of grain at 0.5 ppm concentrations of deltamethrin are provided in the tables below corresponding to the grain being treated.

**AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/100 METRIC TONS OF GRAIN**

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE PER 100 METRIC TONS AT		LITERS OF DILUTE SOLUTION
	FL.OZ.	ML	
BARLEY	33.6	993	86.9
CORN	33.6	993	74.5
OATS	33.6	993	130.4
POPCORN	33.6	993	74.5
RICE	33.6	993	92.7
RYE	33.6	993	74.5
SORGHUM (milo)	33.6	993	74.5
WHEAT	33.6	993	69.5

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### SEED TREATMENT

Apply Deltamethrin 4.75% SC to protect stored grain seed against injury from stored grain insects listed above. Clean and treat seed storage areas prior to storage. If seed is insect infested, fumigate\*\* to control existing populations and apply Deltamethrin 4.75% SC for residual protection. Deltamethrin 4.75% SC may also be used in conjunction with registered fungicide or other insecticide seed protectants, to protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seed during the seed treating process, and prior to bagging or placing in bulk seed storage at the rate of 0.5 ppm. When treating seed with other pesticide products, the treated seed should be properly tagged, indicating the seed should not be used for food, feed or oil purposes. Seed treated with Deltamethrin 4.75% SC alone is considered grain.

\*\*Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

### GRAIN BINS AND WAREHOUSES

Dilute 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Before storing or handling grain, apply finished spray to equipment, wall and floor surfaces of grain bins and warehouses at the rate of 1 gallon per 1000 sq. ft. but do not allow run-off to occur. Apply after equipment bins and buildings have been thoroughly cleaned. Empty bins or warehouses should be fumigated with an EPA registered fumigant according to the manufacturer's label recommendations as well as areas that are difficult to get into. Use Deltamethrin 4.75% SC as a perimeter treatment to prevent infestation of these structures. Apply to areas where pests are seen or may find entrance. Treat a band of soil or lawn up to 6-10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1000 sq. ft. Thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

### PEST CONTROL OUTDOORS

Apply Deltamethrin 4.75% SC as a perimeter treatment, residual spray or broadcast application to lawns, grounds and ornamental plantings.

Apply as a perimeter treatment or residual spray around residential and non-residential settings. Treatments should begin at the first sighting of pests.

**Residual Spray:** Apply Deltamethrin 4.75% SC as a coarse low-pressure spray at the rate of 0.75 to 1.5 fl.oz.to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse dumps, garages and lawns.

**Perimeter Treatments:** For best results, apply Deltamethrin 4.75% SC to areas where pests are seen and may find entrance. Treat a band of soil or lawn up to 6 -10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of 0.25 to 1.5 fl. oz. of Deltamethrin 4.75% SC in sufficient amount of water. (See Mixing Directions for Perimeter Application below). Use an adequate volume to thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

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MIXING DIRECTIONS FOR Deltamethrin 4.75% SC OUTDOOR PERIMETER APPLICATION								
I. Deltamethrin 4.75% SC DILUTION (0.25 oz. /1000 sq. ft.) - (Based on one home being 1,000 sq. ft.)								
Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	3.75	15	6.25	25	12.50	50	25.00	100
3	1.25	5	2.08	8	4.17	16	8.33	33
5	0.75	3	1.25	5	2.50	10	5.00	20
10	0.37	1.5	0.63	2.5	1.25	5	2.50	10
*Based on Deltamethrin 4.75% SC applied at 0.25 ounces per 1,000 square feet treated per home or structure.								
II. Deltamethrin 4.75% SC DILUTION (1.00 oz. /1000 sq. ft.)								
Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft.	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	15.0	15	25.0	25	50	50	100.0	100
3	5.0	5	8.4	8.3	16.70	16.7	33.3	33.3
5	3.0	3	5.0	5	10.0	10	20.0	20
10	1.5	1.5	2.5	2.5	5.0	5	10.0	10
*Based on Deltamethrin 4.75% SC applied at 1.00 ounce per 1,000 square feet treated per home or structure.								

**Fleas and Ticks:** To control fleas and ticks, make application of Deltamethrin 4.75% SC as a coarse wet spray. Treat dog houses, kennels, run areas, cracks and crevices in sidewalks, patios, areas under plants, shrubs, bushes, trees, or other moist, shaded areas where pests are known to rest.

**Fire Ants:** Dilute 1.5 oz. per one gallon of water and apply Deltamethrin 4.75% SC as a drench treatment. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding area to a 2-foot diameter. Best results are obtained when applied in cool weather, 65 to 80°F or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

**Wood-Infesting Insects:** For control of wood-infesting beetles on surfaces in homes and other structures, apply a 0.06% suspension of Deltamethrin 4.75% SC. Brush or spray the suspension evenly on wood surfaces to treat small areas. Use a coarse spray to treat large or overhead areas of homes, apartment buildings, etc., and thoroughly cover the area. Before spraying, cover all surfaces below the treatment area with plastic sheeting or other material. After spraying, dispose of the plastic sheeting or other material in the trash. Allow surfaces in the treated area to dry completely before coming into contact.

**Restrictions:** Do not apply Deltamethrin 4.75% SC until the location of heating or air conditioning ducts, vents, water and sewer lines and electrical conduits are identified. Once known, applications may be made around these structures, however, be careful to avoid contamination of these structures and airways.

**Foam Application:** To treat structural voids for the control of insect and arthropod pests in walls, under slabs or in other void areas, convert Deltamethrin 4.75% SC to a foam by mixing the end-use dilution of

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Deltamethrin 4.75% SC with the manufacturer's recommended volume of foaming agent. Use the rate as recommended for a suspension treatment converted to a foam to get the correct foam expansion ratios. Before treatment check to make sure that the foaming agent is compatible with Deltamethrin 4.75% SC.

For control of **above-ground termites and wood-infesting beetles** in localized areas, apply a 0.06% suspension or sufficient volume of foam of Deltamethrin 4.75% SC to voids and galleries in damaged wood and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling and then injecting the suspension or foam with a suitable directional injector into the damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

To control **termite carton nests** in building voids and trees, inject a 0.06% suspension or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. For best results, remove carton nest material from building voids and trees when nests are found. Termite carton nests in trees may be injected with 0.06% suspension or foam using a pointed injection tool.

To control **exposed worker and winged reproductive forms of termites**, applications to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.06% suspension. For control of **swarming or reproductive stages of termites**, apply a 0.06% suspension to the swarm or area on which they collect. Deltamethrin 4.75% SC will kill **workers or winged reproductive forms** present at the time of treatment. These applications are supplemental only, and do not take the place of mechanical alteration, soil treatment or foundation treatment.

For control of **above-ground termites and carpenter ants** inside trees, utility poles, fencing and decking materials and similar structures, locate the infested area by drilling then inject 0.06% suspension or foam using an appropriate treatment tool with a splashback guard.

For protection of firewood from **carpenter ants and termites**, before stacking firewood, treat the soil underneath with a 0.06% suspension at 1 gallon per 8 square feet to prevent infestation. DO NOT treat firewood with this product.

For control of **carpenter ants** in houses and other structures, use a 0.06% suspension and apply as a general surface, spot, crack and crevice or wall void application using coarse spray or foam to thoroughly cover the treatment area. Make application around doors and windows and any other areas where carpenter ants may gain entrance. Apply as a spray or foam into cracks and crevices, and drill small holes into voids where ants or nests may be present. Do not apply more than 1 gallon of dilute suspension per 1000 square feet of treated surface.

For control of **tunneling carpenter ants** in soil, apply a 0.06% suspension as a drench or inject the suspension or foam at 8 to 12 inch intervals. Create a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For control of **carpenter bees** in structures, apply a 0.06% suspension or sufficient volume of foam directly into gallery entrance holes. Leave the entrance holes open for 24 hours to make sure that returning adult bees are killed. If no activity is visible, use an appropriate sealant to seal the hole.

## TURFGRASS APPLICATIONS

Deltamethrin 4.75% SC controls listed insects on turfgrasses and ornamental plants in outdoor areas such as athletic fields, recreational areas, residential landscapes, parks, and public and commercial sites. Make application when insects first appear ensuring uniform coverage.

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Apply as a broadcast application using a minimum of 2 gallons of water per 1000 sq. ft. with a hydraulic boom-type sprayer or other suitable equipment for turfgrass pests. Follow the specified rates listed in the Application Rates for Turfgrass Sites table. Use higher volumes (4 to 10 gallons of water per 1000 sq. ft.) for areas of dense turfgrass and/or where turfgrass is mowed at greater heights. Control is achieved when the insecticide contacts the target pest. For best results on surface-feeding insects, do not irrigate or mow within 24 hours after application. For subsurface-feeding insects, apply 0.25 to 0.5 inch of water immediately after application. Do not allow people or pests into the treatment area until turfgrass has dried.

**Tank Mixing:** Deltamethrin 4.75% SC may be tank-mixed with other pest control or fertilizer products. Observe all restrictions, precautions and limitations appearing on the tank-mix partner label. To check for compatibility with Deltamethrin 4.75% SC, mix a small test sample of the products in the correct proportions with water in a quart jar. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.

**RESTRICTIONS:** In New York State, product may not be applied to turf within 100 feet of a coastal marsh or stream that drains directly into a coastal marsh. For control of turf insects in New York, a second application may be made after two weeks if target insect activity persists.

Application Rates For Turfgrass Sites			
Sites	Pests	Rates	Use Instructions
Athletic fields, recreational areas, lawns & grounds, residential areas, parks, public and commercial sites	Ants, armyworms, centipedes, chiggers, cockroaches, crickets, cutworms, fleas(adult), grasshoppers, ground beetles, Japanese beetles (adults), leafhoppers, mealybugs, pillbugs, scorpions, sod webworms, sowbugs, springtails, spiders, ticks	0.4 to 0.6 fl. oz./1000 sq. ft. or 17.5 to 26 fl. oz./Acre or 0.06 to 0.08 lb. ai/A	Apply at first sign of pest presence. Apply as a broadcast spray in a minimum of 2 gallons of water per 1000 sq. ft.  For best control of surface feeders such as cutworms and webworms, do not water or mow for 24 hours after application. For subsurface-feeders, such as mole crickets, apply 0.25 to 0.5 inch of water immediately after application. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.
	Annual bluegrass weevil (adult), billbugs (adult), black turfgrass ataenius (adult), chinch bugs, mites*, mole crickets.	0.6 to 0.9 fl. oz./sq. ft. or 26 to 39 fl. oz./Acre or 0.08 to 0.13 lb. ai/A	

\*Suppression Only

## LANDSCAPE ORNAMENTAL TREATMENTS

Use Deltamethrin 4.75% SC to control the listed insects when applied as directed in the Application Rates for Ornamentals table below. Mix the Deltamethrin 4.75% SC with the required amount of water and apply as a finished spray to upper and lower leaf surfaces to ensure thorough coverage, but not to the point of run-off. Make sure to apply sufficient product to wet the leaves, trunk and branches of ornamentals.

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**Restrictions:** Similar formulations have been tested on many species of ornamental plants with good results, but if local use information in this product is not available, it is recommended to pre-spray a few plants to check for compatibility.

Application Rates for Ornamentals:			
Sites	Pests	Rates	Remarks
Landscape ornamentals including trees, shrubs, evergreens and foliage plants	Adelgids, ants, aphids, azalea lace bugs, bagworms, boxelder bugs, cankerworms, cardamom thrips, cockroaches, crickets, elm leaf beetles, elm spanworms, European pine sawflies, fall webworms, flea beetles, flies, fungus gnats, grasshoppers, greenstriped mapleworm, Gypsy moth (larvae), imported willow leaf beetles, Japanese beetles (adults)*, June beetles (adults), lace bugs, leaf-feeding caterpillars, leafhoppers, leaf rollers, loopers, leaf skeletonizers, mealybugs, midges, mimosa webworms, mites**, orangestriped oakworms, pillbugs, pine shoot beetles, pine tip moths, pinyon spindlegall midges, plant bugs, redhumped caterpillar, red imported fire ants, sawfly larvae, sowbugs, spiders, springtails, spanworms, scale insects (crawlers), tent caterpillars, ticks, webworms, yellownecked caterpillar	4 to 8 oz./100 gallons of water	Apply at first sign of pest presence.  Mix Deltamethrin 4.74% SC with the required amount of water and apply as a finished spray to ensure thorough coverage of all plant surfaces, but not to the point of run-off.

\*Will provide anti-feedant properties on treated ornamentals against Japanese beetles.

\*\*Suppression only.

### PAINT ADDITIVE USE

Deltamethrin 4.75% SC may be mixed with latex coatings and oil-based coatings such as stains, varnishes and sealers for use to kill crawling and flying insects when exposed to treated surfaces.

**Note:** To ensure product efficacy, do not prepare more than the amount of latex coating that can be applied within 3 hours of mixing. For oil-based coating, stains, varnish or sealers, the amount of coating formulated should not exceed the amount that can be applied within 6 hours.

**Restrictions:** Do not allow children or pets to enter the treated area until surfaces are dry.

**Mixing Instructions:** Add 1 2/3 fl. oz. to 1 gallon [8 1/3 fl. oz. to 5 gallons] of latex coating (water base), oil base coating, and stains or sealers. Mix well to insure proper dilution.

**How to Apply:** Apply treated coating with brush, roller, or conventional airless equipment.

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### FOR INDOOR PEST CONTROL

Deltamethrin 4.75% SC may be applied in and on residential and non-residential buildings and structures including residential kitchens and all types of food/feed handling establishments. This product can be applied to non-food contact surfaces of walls, floors, ceilings, in and around cabinets, behind and beneath equipment and appliances, around floor drains, window and door frames and around plumbing, sinks and other possible pest harborage sites.

**Note:** Deltamethrin 4.75% SC can be applied only as a crack and crevice or spot treatment indoors. Do not use for broadcast interior applications such as entire walls, ceilings, and floors.

Permitted areas of use include the food/feed and non-food/non-feed areas of:

Aircraft (cargo area only)  
Apartment buildings  
Bakeries  
Bottling facilities  
Breweries Buses  
Cafeterias Candy plants  
Canneries  
Dairy product processing plants Food manufacturing plants Food processing plants  
Food service establishments Granaries and grain mills Hospitals  
Hotels  
Houses  
Industrial buildings  
Installations Kitchens  
Laboratories Mausoleums  
Meat, poultry and egg processing and packaging plants  
Mobile and motor homes  
Nursing homes Offices  
Railcars  
Restaurants Schools  
Ships and vessels  
Trailers  
Trucks  
Warehouses Wineries

#### Restrictions:

- Do not apply to classrooms when in use.
- Do not use in aircraft cabins.
- Do not apply this product in occupied patient rooms or in any rooms/areas while occupied by patients, the elderly or infirm.
- Do not apply to institutions including libraries, sports facilities, or in the immediate area when occupants are present.

**Pantry Pest Control:** To kill adult and accessible stages of insect pests: Spiders, ticks, cockroaches and ants. Make application to cupboards, shelving and storage areas. Remove all foodstuffs, all utensils, shelf paper and other objects before coating with this product. Allow all treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Any foodstuff accidentally contaminated with any coating solution should be discarded.



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**Crawling Insect Pests (such as Spiders, Ticks, Cockroaches, Mosquitoes, Imported and , Southern Fire Ants, Leafcutter Ants and Silverfish):** Apply Deltamethrin 4.75% SC to localized areas of walls, ceilings and other resting areas as a crack and crevice or spot treatment.

Deltamethrin 4.75% SC may be used inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Pet Kennels:** For residual control of crawling and flying insects in and around these structures, apply as cracks and crevices or spot treatment. Optimal control results if facilities to be treated are clean, and coated surfaces are cleaned regularly (every 21 days). Apply only to areas of facility where animals are not present. Allow coating to dry before allowing re-entry of animals into treated areas. Do not apply to animal feed or watering equipment.

**Food/Feed Handling Establishments:** For control of all labeled pests, applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as spot or crack and crevice treatment.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Examples of non-food/non-feed areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). All areas that insects inhabit or through which insects may enter should be treated.

**Note:** Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed. Do not apply directly to food/feed products. Cover or remove all food/feed processing and/or handling equipment during application. After application in food/feed processing plants, cafeterias and similar facilities wash all equipment, benches, shelving and other surfaces which food/feed will contact. Clean food/feed handling or processing equipment and thoroughly rinse with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

**Spot or Crack and Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation, provided exposed food is covered or removed from area being treated prior to application. Do not apply directly to food or food-handling surfaces. In the home, do not allow coating to contact food/feed surfaces. If it does, clean surfaces with soap and water.

### FOR OUTDOOR PEST CONTROL

#### *John Depp* For Commercial/Industrial Use Only

Kills cockroaches in sewer manholes and related sanitary sites.

**Application Instructions:** To control cockroaches in manholes, sewers, sewer cleanouts, floor drains and underground utility vaults. Apply product on manhole walls. Product may be applied via coarse spray using conventional airless spray equipment. Persons applying product in manhole must comply with CLOSED ENTRY requirements of government agencies.

Apply treated latex coating with remote access application equipment.

## MASTER LABEL

**Residual Application:** Apply Deltamethrin 4.75% SC to surfaces of buildings, porches, window frames, eaves, patios and garages, to control Spiders, Ticks, American and German Cockroaches, Silverfish, Imported and Southern Fire Ants and Leafcutter Ants.

**Note:** Do not apply to furniture, swing sets, or other outdoor playground articles.

### **CORRUGATED and CARDBOARD BOXES AND LINERS**

#### **For Commercial/Industrial Use Only**

Deltamethrin 4.75% SC provides residual protection to the outer surface of corrugated and cardboard (folding carton) boxes against insects that damage or feed on paper, corrugated or cardboard (folding carton).

**Mixing Instructions:** To protect the outer surface of the box from damage from insects, such as spiders, ticks, silverfish, cockroaches, ants and weevil, mix 2.1 fluid oz. Deltamethrin 4.75% SC to coating for corrugated or cardboard (folding carton).

**Note:** This coating can only be applied to the outside of the corrugated or cardboard (folding carton) box or to corrugated or cardboard (folding carton) box liner that is to be used for the exterior portion of the corrugated or cardboard (folding carton) box.

**How to Apply:** Make application at a rate of one gallon of coating containing Deltamethrin 4.75% SC to 6000 to 8000 square ft. of surface (include size press, rod, blade, air knife, offset press, gravure and flexography). DO NOT APPLY TO INNER SURFACE OF BOXES.

## MASTER LABEL

### STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

OR

*[Avoid extremes in temperatures. Store in original container in a secured dry storage area.]*

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL: Nonrefillable container.** Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. **Containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Containers greater than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

OR

*[If empty: Place in trash or offer for recycling if available.]*

*[If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]*

## MASTER LABEL

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Tagros Chemicals India, Ltd.'s control, it is impossible for Tagros Chemicals India, Ltd. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, TAGROS CHEMICALS INDIA, LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Tagros Chemicals India, Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Tagros Chemicals India, Ltd. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT TAGROS CHEMICALS INDIA, LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

*[Optional Marketing Language:]*

*D-FENSE™ SC is a concentrated suspension of micro-crystals of the active ingredient Deltamethrin.*

*Utilized for crack and crevice and spot applications in homes, hotels and schools, D-FENSE™ SC is a valuable tool in your integrated pest management arsenal for many types of pest control.*

*Use sites include Residential, Commercial, Residential Turf and Landscape and Ornamental Plants. D-FENSE™ SC can be applied to mattresses for control of bedbugs and lice, and is for use on paints, plastics, fabrics and other surfaces.*

*Mix D-FENSE™ SC with water and apply indoors as a crack and crevice, spot or general surface treatment with hand pressurized, backpack sprayers or power operated sprayers or other suitable equipment for indoor & outdoor pest control.*

- Low odor
- Controls ants, bedbugs, cockroaches, fleas, flies, silverfish, spiders and many other listed pests
- Mattress and broadcast application for bedbugs and lice]

## **SPLIT LABEL**

73801-X

# **DELTAMETHRIN 4.75% SC**

I.	Main Label for Indoor and Outdoor use in Residential, Industrial and Institutional Sites; Stored Grains, Seed Treatment, Grain Bins and Warehouses	Page 2
II.	Main Label for use on Paints, Plastics, Fabrics and other surfaces	Page 17

- I. Main Label for Indoor and Outdoor use in Residential, Industrial and Institutional Sites; Stored Grains, Seed Treatment, Grain Bins and Warehouses

# Deltamethrin 4.75% SC

[Optional Generic Descriptor: Insecticide]

**Intended For Use by Pest Control Operators and/or Commercial Applicators  
For Residential, Industrial and Institutional Use**

[Optional marketing statements -

- *Micro-Crystal Suspension Concentrate*
- *For use as crack and crevice and spot applications in homes, hotels, schools and food handling establishments.*
- *Controls Listed Insect/Pests in and around the Home*
- *Controls Listed Insects on Commercial and Residential Turf and Landscape Ornamental Plants*
- *Controls ants, bedbugs, cockroaches, fleas, flies, silverfish, spiders and many other listed pests.*
- *For use as a mattress application for bedbugs and lice.*
- *Broadcast spray for lawns and turfgrass to control fleas, ticks and other listed insects.*
- *For use to protect Stored Grains and seeds against damage from Indian Meal Moth, Saw-Toothed Grain Beetle, Red Flour Beetle, Rice Weevil, Maize Weevil, and many other listed pests.*
- *Mix Well]*

ACTIVE INGREDIENT:

"Deltamethrin .....4.75%

OTHER INGREDIENTS:.....95.25%

100.00%

\*Contains 0.42 lb deltamethrin per gallon.

Reg. No.: 73801-X

EPA Est. No. : XXXXX-XX-XXX

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente. (TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

See [side panel] [inside booklet] for additional Precautionary Statements, Storage and Disposal instructions and Directions for Use.

Manufactured by:  
Tagros Chemicals India, Ltd.  
Jhaver Centre, Rajah  
Annamalai Building, 4<sup>th</sup> Floor  
72 Marshalls Road  
Egmore, Chennai 600 008, India

NET CONTENTS: 1 Pint or 1 Gallon

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	

**Environmental Hazards**

This product is extremely toxic to fresh water and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

**Physical and Chemical Hazards**

Do not use water-based sprays of Deltamethrin 4.75% SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

**DIRECTIONS FOR USE**

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**Do not apply this product more than once every 21 days.**

All outdoor applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

- a. Treatment to soil or vegetation around structures;
- b. Applications to lawns, turf, and other vegetation;
- c. Applications to building foundations, up to a maximum height of 3 feet.

Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors, and eaves) are limited to spot and crack-and-crevice applications only.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow this product to enter any drain during or after application.

## **PRODUCT INFORMATION**

Deltamethrin 4.75% SC is a suspension concentrate insecticide for use both indoors and outdoors for effective knockdown and long residual control of listed pests.

### **Mixing Instructions**

Mix Deltamethrin 4.75% SC with water and apply using a hand pressurized or power operated sprayer, such as Actisol or similar equipment. For outdoor broadcast application, apply as a coarse spray or with conventional hydraulic boom-type sprayer or other suitable equipment. Shake container well before using.

### **Dilution Instructions:**

- add half the water to the spray tank;
- add Deltamethrin 4.75% SC as specified in the appropriate application rates table;
- agitate well;
- add the remaining water slowly to avoid excess foam;
- thoroughly agitate the sprayer before using to insure proper suspension.

**Note:** If spraying is stopped when using a back-pack or hand-held spray equipment, reinvert sprayer before use. If spray screens are used, they must be 50 mesh or larger. Dilute Deltamethrin 4.75% SC only with water. Only prepare the spray solution when ready to make applications.

**Tank Mixing:** Tank mix Deltamethrin 4.75% SC with other currently registered pesticides unless prohibited by the product label. To check for product compatibility, a small volume mixing test with other products is recommended. Follow all restrictions and precautions specified on the labels of these tank-mix products.

## **PEST CONTROL INDOORS**

Deltamethrin 4.75% SC may be applied in and around residential and non-residential buildings including residential kitchens and food/feed handling establishments.

### **Restrictions:**

- DO NOT apply this product in hospital patient rooms while occupied or in any rooms occupied by the elderly or infirm.
- DO NOT apply in classrooms when in use.
- DO NOT apply to institutions (including libraries, sport facilities, etc.) in the immediate area when occupants are present.

Mix Deltamethrin 4.75% SC with water and apply indoors as a crack and crevice, spot or general surface treatment with hand pressurized or power operated sprayers or other suitable equipment.

**For residential buildings and structures -** apply only as a crack and crevice or spot treatment.

Approved use sites include the food/feed and non-food/non-feed areas of:



Aircraft (cargo only)  
Apartment buildings  
Bakeries  
Bottling facilities  
Breweries  
Buses  
Cafeterias  
Candy plants  
Canneries  
Dairy product processing plants  
Food manufacturing plants  
Food processing plants  
Food service establishments  
Granaries & grain mills  
Hospitals  
Hotels  
Houses

Industrial buildings  
Installations  
Kitchens  
Laboratories  
Mausoleums  
Meat, poultry & egg processing & packaging plants  
Mobile & motor homes  
Nursing homes  
Offices  
Railcars  
Restaurants  
Schools  
Ships & vessels  
Trailers  
Trucks  
Warehouses  
Wineries

**Crack and Crevice:** Apply Deltamethrin 4.75% SC spray mixture to cracks and crevices in and around baseboards, floors, walls, appliances, areas around water and sewer pipes, and other voids with a low pressure system using a pinpoint or variable pattern nozzle.

**Spot Treatment:** Apply Deltamethrin 4.75% SC as a spot treatment in and around cupboards, and between, beneath and behind equipment or appliances using a low pressure system with fan-type nozzle.

**To control of carpet beetles, fleas and ticks indoors:** Apply as a coarse, low pressure crack and crevice spot treatment to problem areas and infested habitats.

**Restrictions:**

- Do not treat entire area of floor, carpet or floor coverings.
- Do not apply as a space spray.
- Do not make applications to areas where prolonged contact by humans can occur.
- Limit spot treatment to pet beds and infested floor coverings.

Application Rates			
Pests	Concentration of Active Ingredient <sup>1</sup>	Dilution Rate <sup>2</sup>	Use Instructions
ants, carpet beetles, firebrats, fleas, gnats, midges, centipedes, millipedes, pantry pests, silverfish, ticks (indoors)	0.01% - 0.03%w/w	0.25-0.75 fl. oz./gal 12.5-37.5 fl. oz./50 gals 25-75 fl. oz./100 gals	Apply at 21-day intervals. Remove pets and cover aquariums and terrariums before spraying. Do not apply to classrooms when in use. Do not use in aircraft cabins.
Bees, bedbugs, boxelder bugs, fleas (outdoors), ticks (outdoors), cecid flies, cockroaches, crickets, flies (including such flies as stable, house, cluster and horseflies), elm leaf beetles, ground beetles, moths, midges, hornets, killer bees, lice, mosquitoes, Multicolored Asian Lady Beetle, pillbugs, scorpions, sowbugs, spiders, yellowjackets, wasps	0.03% - 0.06%w/w	0.75-1.5 fl. oz./gal 37.5-75 fl. oz./50 gals 75-150 fl. oz./100 gals	Treat areas that insects inhabit or where they are normally found. Use 0.25 to 1.5 fluid ounces of Deltamethrin 4.75% SC in sufficient amount of water and apply to adequately cover 1000 square feet. Do not allow dripping or run-off to occur. Under conditions of severe pest infestation, when quick knockdown and/or longer residual control is desired, use 1.5 ounces of 0.06% Deltamethrin 4.75% SC per 1,000 sq. ft.
Termites (Formosan & Eastern subterranean - localized control only)	0.06% w/w	1.5 fl. oz./ gal 75 fl. oz./50 gals 150 fl. oz./100 gals	
Carpenter ants	0.03% w/w	0.75 fl. oz./gal 37.5 fl. oz./50 gals 75 fl. oz./100 gals	

<sup>1</sup>The specified rate for maintenance treatments is 0.01% and for cleanout treatments is 0.03%. For control of severe infestations and longer residual control use the 0.06% rate. More frequent applications may be needed on concrete surfaces.

<sup>2</sup> 0.25 fl. oz.= 7.5 milliliters  
0.75 fl. oz.= 22.7 milliliters  
1.5 fl. oz.= 45.4 milliliters

#### Premise Pest Control

To control Cockroaches, Ants, Crickets, Silverfish, Firebrats, Centipedes, Millipedes, Cloth Moths, Earwigs, Pillbugs, Sowbugs, Scorpions and Spiders

**Use Instructions:** Apply as a coarse, low pressure spot or crack and crevice spray to areas that these pests are found especially dark corners of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, and cabinets; around plumbing and other utility installations; doors, windows and in attics and crawl spaces. Make applications to floor surfaces along baseboards and around air ducts. Allow surfaces to dry before children or pets come into contact.

### **Pantry Pest Control**

To kill adult and manageable stages of insect pests such as Lesser Grain Borers, Grain Weevils, Flour Beetles, Saw-toothed Grain Beetles, Cigarette Beetles, Merchant Grain Beetles, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Grain Mites and Spider Mites.

**Application Instructions:** Apply to cupboards, shelving and storage areas. Before spraying, remove all foodstuffs, utensils, shelf paper and other objects. Allow treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Discard any foodstuff accidentally contaminated with any spray solution.

### **Crawling and Flying Insect Pests**

Deltamethrin 4.75% SC controls crawling and flying insects such as flies, gnats, midges, mosquitoes, cockroaches, ants and silverfish.

**Application Instructions:** Use as a residual surface treatment to walls, ceilings, window screens and other resting areas inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Ants** (including Pharaoh Ants): Deltamethrin 4.75% SC may be applied to areas including where ants enter premises or live, and to trails, around doors and windows.

**Bedbugs and Lice:** Remove bed linens and wash before reuse. Apply Deltamethrin 4.75% SC to mattresses taking care to treat tufts, folds and edges until moist. Make application to the interior of the bed frame. Before remaking the bed, make sure the mattress is dry.

**Carpet Beetles, Fleas and Ticks:** Use of an IPM (integrated pest management) program should be followed. Before starting to treat, vacuum carpets, upholstered furniture, baseboards and other indoor areas where pets spend time. After vacuuming, discard the vacuum cleaner bag outside in a garbage can. Clean or replace pet bedding.

**Application Instructions:** Apply Deltamethrin 4.75% SC as a uniform coarse low-pressure spot or crack and crevice treatment to areas where pests are found. Limit spot treatments to pet bedding and its surrounding area, infested floor coverings and pest habitats.

### **Restrictions:**

- Do not treat entire area of floor, carpet or floor coverings.
- Use a dust such as [D-FENSE™ Dust] [Deltadust®] in areas around electrical equipment.
- Do not apply as a space spray.
- Restrict applications to furniture where no prolonged contact by humans will occur.
- Do not allow people or pets to contact treated areas until spray has dried.

Deltamethrin 4.75% SC can be used with an Insect Growth Regulator (IGR). For effective control of fleas, treatment directly to the pet with an EPA registered product for such use, as well as treating outside areas pets frequent may be required. Deltamethrin 4.75% SC can also be applied outdoors for flea control. DO NOT treat pets with this product.

**Pet Kennels:** Deltamethrin 4.75% SC may be applied to control crawling and flying insects in and around pet kennels. Make application as a general surface and/or crack and crevice spray. For best results, at the same time, clean the facility to be treated and use Deltamethrin 4.75% SC to treat the exterior perimeter.

**Restrictions:**

- Apply only to areas of facility where animals are not present.
- Allow spray to dry before allowing re-entry of animals into treated areas.
- Do not apply to animal feed or watering equipment.

**FOOD/FEED HANDLING ESTABLISHMENTS**

Applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as a general surface, spot or crack and crevice treatment to control of labeled pests.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). Treat any area that insects are observed in or where insects may enter.

**General Surface Applications:** Before application cover or remove all food/feed processing and/or handling equipment. After application, wash all equipment, benches, shelving and other surfaces that food/feed will contact in food/feed processing plants, cafeterias and similar facilities. Clean food/feed handling or processing equipment and rinse well with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

**Restrictions:**

- Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed.
- Do not apply to food/feed products.

**Spot or Crack & Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation provided exposed food is covered or removed from area being treated prior to application.

**Restrictions:**

- Application is prohibited in Federally inspected meat and poultry plants while such facility is in operation.
- Do not apply to food or food-handling surfaces.
- In the home, do not allow spray to contact food/feed surfaces. If it does, clean surfaces with soap and water.

**STORED GRAIN**

To control adults and accessible stages of insect pests such as, lesser grain borer, larger grain borer, Angoumois grain moth, Indian Meal moth, tobacco moth, dermestids, and bean weevil; also to suppress populations of granary weevil, rice weevil, maize weevil, saw-toothed grain beetle, red flour beetle, and confused flour beetle.

### Directions for Treatment

Dilute Deltamethrin 4.75% SC with water for FDA approved food grade mineral or soybean oils and apply to the moving grain stream as a coarse spray to provide a concentration of 0.5 ppm of deltamethrin on the grain.

Final spray volume with water solutions - 5 gallons of liquid per 1000 bushels of grain

Final spray volume with oil solutions - Apply at oil manufacturer's rates

For water solutions, intermittent agitation is necessary. For oil solutions, constant agitation is required. For uniform treatment, use a moving grain stream.

For stored grain, apply Deltamethrin 4.75% SC Insecticide in solution at the rate of 5 gallons of solution per 1000 bushels to achieve a 0.5 ppm concentration of deltamethrin. Apply at rates as shown in the tables below:

**AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/1000 BUSHELS OF GRAIN**

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE TREATMENT AT 0.5 PPM		GALLONS OF DILUTE
	FL. OZ.	ML	
BARLEY	7.31	216	5
CORN	8.53	252	5
OATS	4.88	144	5
POPCORN	8.53	252	5
RICE	6.86	202	5
RYE	8.53	252	5
SORGHUM (milo)	8.53	252	5
WHEAT	9.14	270	5

Final spray volumes to treat 100 metric tons of grain at 0.5 ppm concentrations of deltamethrin are provided in the tables below corresponding to the grain being treated.

**AMOUNT OF DELTAMETHRIN 4.75% SC INSECTICIDE/100 METRIC TONS OF GRAIN**

GRAIN	DELTAMETHRIN 4.75% SC INSECTICIDE PER 100 METRIC TONS AT		LITERS OF DILUTE SOLUTION
	FL.OZ.	ML	
BARLEY	33.6	993	86.9
CORN	33.6	993	74.5
OATS	33.6	993	130.4
POPCORN	33.6	993	74.5
RICE	33.6	993	92.7
RYE	33.6	993	74.5
SORGHUM (milo)	33.6	993	74.5
WHEAT	33.6	993	69.5

## SEED TREATMENT

Apply Deltamethrin 4.75% SC to protect stored grain seed against injury from stored grain insects listed above. Clean and treat seed storage areas prior to storage. If seed is insect infested, fumigate\*\* to control existing populations and apply Deltamethrin 4.75% SC for residual protection. Deltamethrin 4.75% SC may also be used in conjunction with registered fungicide or other insecticide seed protectants, to protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seed during the seed treating process, and prior to bagging or placing in bulk seed storage at the rate of 0.5 ppm. When treating seed with other pesticide products, the treated seed should be properly tagged, indicating the seed should not be used for food, feed or oil purposes. Seed treated with Deltamethrin 4.75% SC alone is considered grain.

\*\*Fumigate with EPA-registered fumigant according to manufacturer's label recommendations.

## GRAIN BINS AND WAREHOUSES

Dilute 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Before storing or handling grain, apply finished spray to equipment, wall and floor surfaces of grain bins and warehouses at the rate of 1 gallon per 1000 sq. ft. but do not allow run-off to occur. Apply after equipment bins and buildings have been thoroughly cleaned. Empty bins or warehouses should be fumigated with an EPA registered fumigant according to the manufacturer's label recommendations as well as areas that are difficult to get into. Use Deltamethrin 4.75% SC as a perimeter treatment to prevent infestation of these structures. Apply to areas where pests are seen or may find entrance. Treat a band of soil or lawn up to 6-10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 0.25-1.5 fl. oz. of Deltamethrin 4.75% SC with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1000 sq. ft. Thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

## PEST CONTROL OUTDOORS

Apply Deltamethrin 4.75% SC as a perimeter treatment, residual spray or broadcast application to lawns, grounds and ornamental plantings.

Apply as a perimeter treatment or residual spray around residential and non-residential settings. Treatments should begin at the first sighting of pests.

### Restrictions:

- DO NOT apply Deltamethrin 4.75% SC through any type of irrigation system.
- DO NOT water the treated area to the point of run-off.
- DO NOT make applications during rain.
- DO NOT apply this product to edible crops.

**Residual Spray:** Apply Deltamethrin 4.75% SC as a coarse low-pressure spray at the rate of 0.75 to 1.5 fl.oz.to surfaces of buildings, porches, screens, window frames, eaves, patios, refuse dumps, garages and lawns.

**Perimeter Treatments:** For best results, apply Deltamethrin 4.75% SC to areas where pests are seen and may find entrance. Treat a band of soil or lawn up to 6 -10 feet wide around and adjacent to buildings and treat the building foundation to a height of 2 to 3 feet. Apply as a coarse spray at the rate of 0.25 to 1.5 fl. oz. of Deltamethrin 4.75% SC in sufficient amount of water. (See Mixing Directions for Perimeter Application below). Use an adequate volume to thoroughly and uniformly wet the barrier area but do not allow run-off to occur.

**MIXING DIRECTIONS FOR Deltamethrin 4.75% SC  
OUTDOOR PERIMETER APPLICATION**

**I. Deltamethrin 4.75% SC DILUTION (0.25 oz. /1000 sq. ft.) - (Based on one home being 1,000 sq. ft.)**

Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	3.75	15	6.25	25	12.50	50	25.00	100
3	1.25	5	2.08	8	4.17	16	8.33	33
5	0.75	3	1.25	5	2.50	10	5.00	20
10	0.37	1.5	0.63	2.5	1.25	5	2.50	10

\*Based on Deltamethrin 4.75% SC applied at 0.25 ounces per 1,000 square feet treated per home or structure.

**II. Deltamethrin 4.75% SC DILUTION (1.00 oz. /1000 sq. ft.)**

Tank Size	15 Gallon		25 Gallon		50 Gallon		100 Gallon	
Finished Spray: Gallons Per 1000 sq. ft.	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*	Deltamethrin 4.75% SC Per Tank (fl. oz.)	Homes Per Tank*
1	15.0	15	25.0	25	50	50	100.0	100
3	5.0	5	8.4	8.3	16.70	16.7	33.3	33.3
5	3.0	3	5.0	5	10.0	10	20.0	20
10	1.5	1.5	2.5	2.5	5.0	5	10.0	10

\*Based on Deltamethrin 4.75% SC applied at 1.00 ounce per 1,000 square feet treated per home or structure.

**Fleas and Ticks:** To control fleas and ticks, make application of Deltamethrin 4.75% SC as a coarse wet spray. Treat dog houses, kennels, run areas, cracks and crevices in sidewalks, patios, areas under plants, shrubs, bushes, trees, or other moist, shaded areas where pests are known to rest.

**Fire Ants:** Dilute 1.5 oz. per one gallon of water and apply Deltamethrin 4.75% SC as a drench treatment. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding area to a 2-foot diameter. Best results are obtained when applied in cool weather, 65 to 80°F or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

**Wood-Infesting Insects:** For control of wood-infesting beetles on surfaces in homes and other structures, apply a 0.06% suspension of Deltamethrin 4.75% SC. Brush or spray the suspension evenly on wood surfaces to treat small areas. Use a coarse spray to treat large or overhead areas of homes, apartment buildings, etc., and thoroughly cover the area. Before spraying, cover all surfaces below the treatment area with plastic sheeting or other material. After spraying, dispose of the plastic sheeting or other material in the trash. Allow surfaces in the treated area to dry completely before coming into contact.

**Restrictions:** Do not apply Deltamethrin 4.75% SC until the location of heating or air conditioning ducts, vents, water and sewer lines and electrical conduits are identified. Once known, applications may be made around these structures, however, be careful to avoid contamination of these structures and airways.

**Foam Application:** To treat structural voids for the control of insect and arthropod pests in walls, under slabs or in other void areas, convert Deltamethrin 4.75% SC to a foam by mixing the end-use dilution of Deltamethrin 4.75% SC with the manufacturer's recommended volume of foaming agent. Use the rate as recommended for a suspension treatment converted to a foam to get the correct foam expansion ratios. Before treatment check to make sure that the foaming agent is compatible with Deltamethrin 4.75% SC.

For control of **above-ground termites and wood-infesting beetles** in localized areas, apply a 0.06% suspension or sufficient volume of foam of Deltamethrin 4.75% SC to voids and galleries in damaged wood and in spaces between wooden structural members and between the sill plate and foundation where wood is vulnerable. Applications may be made to inaccessible areas by drilling and then injecting the suspension or foam with a suitable **directional injector** into the damaged wood or wall voids. All treatment holes drilled in construction elements in commonly occupied areas of structures must be securely plugged.

To control **termite carton nests** in building voids and trees, inject a 0.06% suspension or foam using a pointed injection tool. Multiple injection points to varying depths may be necessary. For best results, remove carton nest material from building voids and trees when nests are found. Termite carton nests in trees may be injected with 0.06% suspension or foam using a pointed injection tool.

To control **exposed worker and winged reproductive forms of termites**, applications to attics, crawl spaces, unfinished basements, or man-made voids may be made with a coarse fan spray of 0.06% suspension. For control of **swarming or reproductive stages of termites**, apply a 0.06% suspension to the swarm or area on which they collect. Deltamethrin 4.75% SC will kill **workers or winged reproductive forms** present at the time of treatment. These applications are supplemental only, and do not take the place of mechanical alteration, soil treatment or foundation treatment.

For control of **above-ground termites and carpenter ants** inside trees, utility poles, fencing and decking materials and similar structures, locate the infested area by drilling then inject 0.06% suspension or foam using an appropriate treatment tool with a splashback guard.

For protection of firewood from **carpenter ants and termites**, before stacking firewood, treat the soil underneath with a 0.06% suspension at 1 gallon per 8 square feet to prevent infestation. DO NOT treat firewood with this product.

For control of **carpenter ants** in houses and other structures, use a 0.06% suspension and apply as a general surface, spot, crack and crevice or wall void application using coarse spray or foam to thoroughly cover the treatment area. Make application around doors and windows and any other areas where carpenter ants may gain entrance. Apply as a spray or foam into cracks and crevices, and drill small holes into voids where ants or nests may be present. Do not apply more than 1 gallon of dilute suspension per 1000 square feet of treated surface.

For control of **tunneling carpenter ants** in soil, apply a 0.06% suspension as a drench or inject the suspension or foam at 8 to 12 inch intervals. Create a uniform vertical barrier at the edge of walls, driveways or other hard surfaces where ants are tunneling beneath the surfaces.

For control of **carpenter bees** in structures, apply a 0.06% suspension or sufficient volume of foam directly into gallery entrance holes. Leave the entrance holes open for 24 hours to make sure that returning adult bees are killed. If no activity is visible, use an appropriate sealant to seal the hole.



## TURFGRASS APPLICATIONS

Deltamethrin 4.75% SC controls listed insects on turfgrasses and ornamental plants in outdoor areas such as athletic fields, recreational areas, residential landscapes, parks, and public and commercial sites. Make application when insects first appear ensuring uniform coverage.

Apply as a broadcast application using a minimum of 2 gallons of water per 1000 sq. ft. with a hydraulic boom-type sprayer or other suitable equipment for turfgrass pests. Follow the specified rates listed in the Application Rates for Turfgrass Sites table. Use higher volumes (4 to 10 gallons of water per 1000 sq. ft.) for areas of dense turfgrass and/or where turfgrass is mowed at greater heights. Control is achieved when the insecticide contacts the target pest. For best results on surface-feeding insects, do not irrigate or mow within 24 hours after application. For subsurface-feeding insects, apply 0.25 to 0.5 inch of water immediately after application. Do not allow people or pests into the treatment area until turfgrass has dried.

**Tank Mixing:** Deltamethrin 4.75% SC may be tank-mixed with other pest control or fertilizer products. Observe all restrictions, precautions and limitations appearing on the tank-mix partner label. To check for compatibility with Deltamethrin 4.75% SC, mix a small test sample of the products in the correct proportions with water in a quart jar. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.

**RESTRICTIONS:** In New York State, product may not be applied to turf within 100 feet of a coastal marsh or stream that drains directly into a coastal marsh. For control of turf insects in New York, a second application may be made after two weeks if target insect activity persists.

Application Rates For Turfgrass Sites			
Sites	Pests	Rates	Use Instructions
Athletic fields, recreational areas, lawns & grounds, residential areas, parks, public and commercial sites	Ants, armyworms, centipedes, chiggers, cockroaches, crickets, cutworms, fleas(adult), grasshoppers, ground beetles, Japanese beetles (adults), leafhoppers, mealybugs, pillbugs, scorpions, sod webworms, sowbugs, springtails, spiders, ticks	0.4 to 0.6 fl. oz./1000 sq. ft. or 17.5 to 26 fl. oz./Acre or 0.06 to 0.08 lb. ai/A	Apply at first sign of pest presence. Apply as a broadcast spray in a minimum of 2 gallons of water per 1000 sq. ft.  For best control of surface feeders such as cutworms and webworms, do not water or mow for 24 hours after application. For subsurface-feeders, such as mole crickets, apply 0.25 to 0.5 inch of water immediately after application. The use of silicone surfactants in tank mixtures with Deltamethrin 4.75% SC may enhance the control of some insects.
	Annual bluegrass weevil (adult), billbugs (adult), black turfgrass ataenius (adult), chinch bugs, mites*, mole crickets.	0.6 to 0.9 fl. oz./sq. ft. or 26 to 39 fl. oz./Acre or 0.08 to 0.13 lb. ai/A	

\*Suppression Only

## LANDSCAPE ORNAMENTAL TREATMENTS

Use Deltamethrin 4.75% SC to control the listed insects when applied as directed in the Application Rates for Ornamentals table below. Mix the Deltamethrin 4.75% SC with the required amount of water and apply as a finished spray to upper and lower leaf surfaces to ensure thorough coverage, but not to the point of run-off. Make sure to apply sufficient product to wet the leaves, trunk and branches of ornamentals.

**Restrictions:** Similar formulations have been tested on many species of ornamental plants with good results, but if local use information in this product is not available, it is recommended to pre-spray a few plants to check for compatibility.

Application Rates for Ornamentals:			
Sites	Pests	Rates	Remarks
Landscape ornamentals including trees, shrubs, evergreens and foliage plants	Adelgids, ants, aphids, azalea lace bugs, bagworms, boxelder bugs, cankerworms, cardamom thrips, cockroaches, crickets, elm leaf beetles, elm spanworms, European pine sawflies, fall webworms, flea beetles, flies, fungus gnats, grasshoppers, greenstriped mapleworm, Gypsy moth (larvae), imported willow leaf beetles, Japanese beetles (adults)*, June beetles (adults), lace bugs, leaf-feeding caterpillars, leafhoppers, leaf rollers, loopers, leaf skeletonizers, mealybugs, midges, mimosa webworms, mites**, orangestriped oakworms, pillbugs, pine shoot beetles, pine tip moths, pinyon spindlegall midges, plant bugs, redhumped caterpillar, red imported fire ants, sawfly larvae, sowbugs, spiders, springtails, spanworms, scale insects (crawlers), tent caterpillars, ticks, webworms, yellownecked caterpillar	4 to 8 oz./100 gallons of water	Apply at first sign of pest presence.  Mix Deltamethrin 4.74% SC with the required amount of water and apply as a finished spray to ensure thorough coverage of all plant surfaces, but not to the point of run-off.

\*Will provide anti-feedant properties on treated ornamentals against Japanese beetles.

\*\*Suppression only.

## STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Mix as needed. Store in original container in a secured dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING: Nonrefillable container.** Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. **Containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke. **Containers greater than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Tagros Chemicals India, Ltd.'s control, it is impossible for Tagros Chemicals India, Ltd. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, TAGROS CHEMICALS INDIA, LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF

MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Tagros Chemicals India, Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Tagros Chemicals India, Ltd. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT TAGROS CHEMICALS INDIA, LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.

II. Main Label for use on Paints, Plastics, Fabrics and other surfaces

# Deltamethrin 4.75% SC

[Optional Generic Descriptor: Insecticide]

*For use on Paints, Plastics, Fabrics and other surfaces*

*Kills crawling and flying insects when exposed to treated surfaces.*

ACTIVE INGREDIENT:

\*Deltamethrin .....4.75%

OTHER INGREDIENTS : .....95.25%

100.00%

\*Contains 0.42 lb deltamethrin per gallon.

Reg. No.: 73801-X

EPA Est. No. : XXXXX-XX-XXX

## KEEP OUT OF REACH OF CHILDREN

## CAUTION

**PRECAUCION AL USARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplimente. **(TO THE USER:** If you cannot read English, do not use this product until the label has been fully explained to you.)

See [side panel] [inside booklet] for additional Precautionary Statements, Storage and Disposal instructions and Directions for Use

Manufactured for:

Tagros Chemicals India, Ltd.  
Jhaver Centre, Rajah  
Annamalai Building, 4<sup>th</sup> Floor  
72 Marshalls Road  
Egmore, Chennai 600 008, India

NET CONTENTS: 1 Pint or 1 Gallon

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**  
**CAUTION**

Harmful if inhaled. Avoid breathing vapor or spray mist. Contact with product may result in transient tingling and reddening of the skin. Remove contaminated clothing and wash before reuse.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center, 1-800-222-1222, day or night, for emergency medical treatment information.	

**Environmental Hazards**

This product is extremely toxic to fresh water and estuarine fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

**Physical and Chemical Hazards**

Do not use water-based sprays of Deltamethrin 4.75% SC in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**PAINT ADDITIVE USE**

Deltamethrin 4.75% SC may be mixed with latex coatings and oil-based coatings such as stains, varnishes and sealers for use to kill crawling and flying insects when exposed to treated surfaces.

Note: To ensure product efficacy, do not prepare more than the amount of latex coating that can be applied within 3 hours of mixing. For oil-based coating, stains, varnish or sealers, the amount of coating formulated should not exceed the amount that can be applied within 6 hours.

Restrictions: Do not allow children or pets to enter the treated area until surfaces are dry.

**Mixing Instructions:** Add 1 2/3 fl. oz. to 1 gallon [8 1/3 fl. oz. to 5 gallons] of latex coating (water base), oil base coating, and stains or sealers. Mix well to insure proper dilution.

**How to Apply:** Apply treated coating with brush, roller, or conventional airless equipment.

## FOR INDOOR PEST CONTROL

Deltamethrin 4.75% SC may be applied in and on residential and non-residential buildings and structures including residential kitchens and food/feed handling establishments. This product can be applied to non-food contact surfaces of walls, floors, ceilings, in and around cabinets, behind and beneath equipment and appliances, around floor drains, window and door frames and around plumbing, sinks and other possible pest harborage sites.

**Note:** Deltamethrin 4.75% SC can be applied only as a crack and crevice or spot treatment indoors. Do not use for broadcast interior applications such as entire walls, ceilings, and floors.

Permitted areas of use include the food/feed and non-food/non-feed areas of:

Aircraft (cargo area only)	Industrial buildings
Apartment buildings	Installations Kitchens
Bakeries	Laboratories Mausoleums
Bottling facilities	Meat, poultry and egg processing and packaging plants
Breweries Buses	Mobile and motor homes
Cafeterias Candy plants	Nursing homes Offices
Canneries	Railcars
Dairy product processing plants	Restaurants Schools
Food manufacturing plants	Ships and vessels
Food processing plants	Trailers
Food service establishments	Trucks
Granaries and grain mills	Warehouses
Hospitals	Wineries
Hotels	
Houses	

### Restrictions:

- Do not apply to classrooms when in use.
- Do not use in aircraft cabins.
- Do not apply this product in occupied patient rooms or in any rooms/areas while occupied by patients, the elderly or infirm.
- Do not apply to institutions including libraries, sports facilities, or in the immediate area when occupants are present.

**Pantry Pest Control:** To kill adult and accessible stages of insect pests: Spiders, ticks, cockroaches and ants. Make application to cupboards, shelving and storage areas. Remove all foodstuffs, all utensils, shelf paper and other objects before coating with this product. Allow all treated surfaces to dry and cover shelves with clean paper prior to replacing foodstuffs, utensils or other items. Any foodstuff accidentally contaminated with any coating solution should be discarded.

**Crawling Insect Pests (such as Spiders, Ticks, Cockroaches, Mosquitoes, Imported and , Southern Fire Ants, Leafcutter Ants and Silverfish):** Apply Deltamethrin 4.75% SC to localized areas of walls, ceilings and other resting areas as a crack and crevice or spot treatment.

Deltamethrin 4.75% SC may be used inside residential buildings, as well as in and around carports, garages, storage sheds, unoccupied horse stables and pet kennels.

**Pet Kennels:** For residual control of crawling and flying insects in and around these structures, apply as

cracks and crevices or spot treatment. Optimal control results if facilities to be treated are clean, and coated surfaces are cleaned regularly (every 21 days). Apply only to areas of facility where animals are not present. Allow coating to dry before allowing re-entry of animals into treated areas. Do not apply to animal feed or watering equipment.

**Food/Feed Handling Establishments:** For control of all labeled pests, applications are permitted in food/feed and non-food/non-feed areas of food/feed handling and processing establishments as spot or crack and crevice treatment.

Food/Feed handling establishments are defined as places other than private residences in which exposed food/feed is held, processed, prepared or served. Included also are areas for receiving, storing, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups) of food/feed. Serving areas where food/feed is exposed and the facility is in operation are also considered food/feed areas.

**Non-Food/Non-Feed Areas:** Examples of non-food/non-feed areas include garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, mop closets and storage (after packaging, canning or bottling). All areas that insects inhabit or through which insects may enter should be treated.

**Note:** Do not use this application method in the food/feed handling areas of the facility when the facility is in operation or foods/feeds are exposed. Do not apply directly to food/feed products. Cover or remove all food/feed processing and/or handling equipment during application. After application in food/feed processing plants, cafeterias and similar facilities wash all equipment, benches, shelving and other surfaces which food/feed will contact. Clean food/feed handling or processing equipment and thoroughly rinse with clean, fresh water. After application in bakeries, clean all food contact surfaces thoroughly with appropriate equipment.

**Spot or Crack and Crevice Applications:** Except in federally inspected meat and poultry plants, spot or crack and crevice applications may be made while the facility is in operation, provided exposed food is covered or removed from area being treated prior to application. Do not apply directly to food or food-handling surfaces. In the home, do not allow coating to contact food/feed surfaces. If it does, clean surfaces with soap and water.

## **FOR OUTDOOR PEST CONTROL**

### **Intended For Commercial/Industrial Use Only**

Kills cockroaches in sewer manholes and related sanitary sites.

**Application Instructions:** To control cockroaches in manholes, sewers, sewer cleanouts, floor drains and underground utility vaults. Apply product on manhole walls. Product may be applied via coarse spray using conventional airless spray equipment. Persons applying product in manhole must comply with CLOSED ENTRY requirements of government agencies.

Apply treated latex coating with remote access application equipment.

**Residual Application:** Apply Deltamethrin 4.75% SC to surfaces of buildings, porches, window frames, eaves, patios and garages, to control Spiders, Ticks, American and German Cockroaches, Silverfish, Imported and Southern Fire Ants and Leafcutter Ants.

**Note:** Do not apply to furniture, swing sets, or other outdoor playground articles.



## **CORRUGATED and CARDBOARD BOXES AND LINERS**

### **For Commercial/Industrial Use Only**

Deltamethrin 4.75% SC provides residual protection to the outer surface of corrugated and cardboard (folding carton) boxes against insects that damage or feed on paper, corrugated or cardboard (folding carton).

**Mixing Instructions:** To protect the outer surface of the box from damage from insects, such as spiders, ticks, silverfish, cockroaches, ants and weevil, mix 2.1 fluid oz. Deltamethrin 4.75% SC to coating for corrugated or cardboard (folding carton).

**Note:** This coating can only be applied to the outside of the corrugated or cardboard (folding carton) box or to corrugated or cardboard (folding carton) box liner that is to be used for the exterior portion of the corrugated or cardboard (folding carton) box.

**How to Apply:** Make application at a rate of one gallon of coating containing Deltamethrin 4.75% SC to 6000 to 8000 square ft. of surface (include size press, rod, blade, air knife, offset press, gravure and flexography). **DO NOT APPLY TO INNER SURFACE OF BOXES.**

### **STORAGE & DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Avoid extremes in temperatures. Store in original container in a secured dry storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. *[Triple rinse (or equivalent) promptly after emptying. Containers less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.]*

**OR**

*[If empty: Place in trash or offer for recycling if available.*

*If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.]*

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**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Tagros Chemical India, Ltd.'s control, it is impossible for Tagros Chemical India, Ltd. to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, TAGROS CHEMICAL INDIA, LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Tagros Chemical India, Ltd. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Tagros Chemical India, Ltd. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT TAGROS CHEMICAL INDIA, LTD.'S ELECTION, THE REPLACEMENT OF PRODUCT.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION  
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

DP BARCODE No.: 415393; FILE SYMBOL No.: 73801-U; PRODUCT NAME: Deltamethrin 4.75% SC;  
DECISION No.: 481734; PC Code(s): 097805; ACTION CODE: R301; FOOD Use: Yes

DATE OUT: October 21, 2013

SUBJECT: End Use Product Chemistry Review  
Product Name: Deltamethrin 4.75% SC

FROM: Shyam Mathur, Ph.D  
Product Chemistry Team Leader  
Technical Review Branch/RD (7505P)

*S Mathur*  
*10-22-13*  
*SCR*

TO: Olga Odiott / Deborah McCall, RM 13  
Insecticide Branch / RD (7505P)

Company Name: Tagros Chemicals India Ltd.  
Formulation Type: Suspension Concentrate (SC)

**INTRODUCTION:**

The registrant has submitted an application for the registration of the new end use product "Deltamethrin 4.75% SC". The registrant has submitted a revised basic CSF (dated 7-26-2013) and the supporting 830 series group A and group B product chemistry data with MRID Nos. 491917-01 & 491917-02 and the product label. The registrant has claimed that the proposed product is identical or similar in composition to the registered product with Reg. No. 53883-276. TRB has been asked to review the proposed basic CSF and the supporting product chemistry data and also determine similarity to the cited product.

**SUMMARY OF FINDINGS:**

1. Name of Active Ingredient(s): Deltamethrin (4.75%)

2. Has the registrant claimed substantial similarity to a registered product?

[X] Yes; [ ] No; [ ] NA; if yes, give the registration number of the cited product.

Reg. No. 53883-276

3. All of the source materials of the active ingredient are derived from registered sources: [X] Yes [ ] No

4. All inert ingredients have been screened by IIAB and found to be approved for the proposed labeled Uses: ☒ Yes; ☐ No

5. Confidential Statement of Formula(s):

☒ Proposed Basic - Dated: 07-26-2013; Re-submitted - Dated:

☐ Proposed Alternate CSF – Dated: ; Re-submitted – Dated:

Alternate CSF(s) complies with 40CFR§152.43: ☐ Yes; ☐ No; ☒ NA

5. Product label

a. Ingredient statement: Nominal concentration of AI listed on CSF(s) concurs with product label

(PR Notice 91-2)

☒ Yes, if not, explain below:

Metallic equivalent: ☐ Yes ☒ NA;

Soluble arsenic: ☐ Yes ☒ NA;

Isomeric ratios: ☐ Yes ☒ NA;

Acid equivalent: ☐ Yes ☒ NA;

b. Health related sub statements: Product contains?

Petroleum distillate at > 10%: ☐ Yes ☒ No ☐ NA

Methanol at > 4%: ☐ Yes ☒ No ☐ NA

Sodium nitrite/sodium nitrate ☐ Yes ☒ No ☐ NA

c. Physical chemical hazard statement: Product label requires a statement per 40 CFR §156.78 for: flammability, explosive potential or electric insulator breakdown?

☒ Yes ☐ No

**Note:** Not to be used conduits, motor housing, junction boxes, switch boxes, or other electrical Equipments because of possible shock hazard.

Is the sub statement in compliance with PR Notice 97-6? ☒ Yes, ☐ NA; ☐ No; if not, explain below:

d. Label requires an additional Storage and Disposal statement: ☐ Yes ☒ No; if yes explain below:

6. Group A: Product Chemistry Data

Guideline No.	Study Title	Data submitted		TRB's Assessment of Data	MRID Nos.
		Yes	No		
830.1550	Product Identity & Composition	X		A	491917-01
830.1600	Description of materials used to produce the product	X		A	491917-01
830.1650	Description of formulation process	X		A	491917-01
830.1670	Discussion on the formation of impurities	X		A	491917-01
830.1700	Preliminary analysis				
830.1750	Certified limits (158.350)	Standard certified limits	X		Basic CSF Dated (7-26-13)
		Proposed Limits			
		Justification for wider limits			
830.1800	Enforcement analytical method	X		U	491917-01

7. Group B:

Guideline No.	Study Title	Value or Qualitative Description	TRB's Assessment of Data	MRID Nos.
830.6303	Physical State	Liquid	A	491917-02
830.6314	Oxidation/reduction	No data submitted	G	
830.6315	Flammability	NA		
830.6316	Explodability	NA		
830.7000	pH	5.64 @ 25°C (1% dispersion in water)	A	491917-02
830.7100	Viscosity	Non-Newtonian Fluid See table below	A	491917-02
830.7300	Bulk Density	1.035 g/cc (8.64lbs/gal) @ 25°C	A	491917-02

A = Acceptance, N = Not Acceptable, G = Data Gap, W = Waiver request, NA = Not applicable, I = In progress

DP BARCODE No.: 415393; FILE SYMBOL No.: 73801-U; PRODUCT NAME: Deltamethrin 4.75% SC;  
DECISION No.: 481734; PC Code(s): 097805; ACTION CODE: R301; FOOD Use: Yes

830.7100: Viscosity: (MRID No. 491917-02)

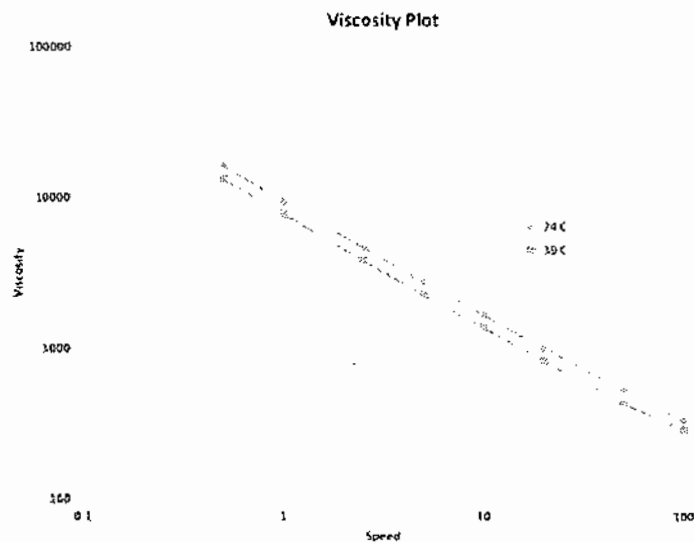
Test Method: Brookfield viscometry

The viscosity of Deltamethrin 4.75% SC was determined at 24 °C and 39 °C. Table I shows the viscosity as a function of motor speed (shear rate) for both temperatures. Results are plotted in Figure I using log-log scales. Deltamethrin 4.75% SC is seen to be a non-Newtonian fluid.

Table I. Viscosity of Deltamethrin 4.75% SC

Speed	Viscosity, 24 °C	Viscosity, 39 °C
0.5	16240 centipoise	13200 centipoise
1	9360 centipoise	7720 centipoise
2.5	4640 centipoise	3792 centipoise
5	2768 centipoise	2264 centipoise
10	1664 centipoise	1376 centipoise
20	1010 centipoise	832 centipoise
50	536 centipoise	436.8 centipoise
100	335.6 centipoise	290 centipoise

Figure I. Viscosity Plot



**C. CONCLUSIONS:**

The TRB has reviewed the proposed CSF basic formulation and the supporting product chemistry data and has concluded:

1. The proposed CSF for basic formulation (dated 07-26-2013) is acceptable.
2. The product chemistry data submitted corresponding to the guideline 830 series group A are acceptable, except for the guideline 830.1800 (enforcement analytical method). The registrant must submit a validated enforcement analytical method which must include validation data for linearity, accuracy & precision.
3. The product chemistry data submitted corresponding to the guideline 830 series group B are acceptable, except for the guideline 830.6314 (oxidation/reduction). The registrant must determine compatibility of the test substance with respect to commonly used house hold chemicals. Please consult the 830 Series Product Properties Guideline for details. The results must be submitted to the Agency for evaluation.
4. The proposed product was determined to be substantially similar to the cited product with Reg. No. 53883-276 in chemical composition from the product chemistry point of view.

ML

# DATA PACKAGE BEAN SHEET

Date: 26-Sep-2013

Page 1 of 2

Decision #: 481734

DP #: (415393)

PRIA

Parent DP #:

Submission #: 939333

E-Sub #:

## \*\*\* Registration Information \*\*\*

Registration: 73801-U - DELTAMETHRIN 4.75% SC

Company: 7380 f - TAGROS CHEMICALS INDIA LTD.

Risk Manager: RM 13 - Deborah McCall - (703) 605-0717 Room# PY1 S-7813

Risk Manager Reviewer: Olga Odiott OODIOTT

Sent Date:

PRIA Due Date: 27-Dec-2013

Edited Due Date:

Type of Registration: Product Registration - Section 3

Action Desc: (R301) NEW PRODUCT; IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND

Ingredients: 097805, Deltamethrin(4.75%)

## \*\*\* Data Package Information \*\*\*

Expedite: ☐ Yes ☒ No

Date Sent: 26-Sep-2013

Due Back:

DP Ingredient: 097805, Deltamethrin

DP Title:

CSF Included: ☒ Yes ☐ No

Label Included: ☒ Yes ☐ No

Parent DP #:

Assigned To

Date In

Date Out

Organization: RD / TRB

Last Possible Science Due Date: 27-Nov-2013

Team Name: CHEM

Science Due Date:

Reviewer Name:

Sub Data Package Due Date:

Contractor Name:

## \*\*\* Studies Sent for Review \*\*\*

Printed on Page 2

## \*\*\* Additional Data Package for this Decision \*\*\*

Can be printed on its own page

## \*\*\* Data Package Instructions \*\*\*

Please review attached data, csf, and label for a me-too registration. The registrant claims the product is similar to 53883-276. The proposed product has been deemed similar to the cited product for acute tox (Backus, DP414276).

Thanks,  
Olga

*Master label & split label*



DP#: (415393)

\*\*\* Studies Sent for Review \*\*\*

Decision#: (481734)

MRID	MRID Status	Citation Reference	Guideline	MRID Status
49191701		Miller, J. (2013) Deltamethrin 4.75% SC: Product Identity and Composition. Project Number: TCI/DELTA475/830. Unpublished study prepared by Biologic, Inc. 100p.	830.1550/Product Identity and composition	Pass (14-Aug-2013)
49191701		Miller, J. (2013) Deltamethrin 4.75% SC: Product Identity and Composition. Project Number: TCI/DELTA475/830. Unpublished study prepared by Biologic, Inc. 100p.	830.1600/Description of materials used to produce the product	Pass (14-Aug-2013)
49191701		Miller, J. (2013) Deltamethrin 4.75% SC: Product Identity and Composition. Project Number: TCI/DELTA475/830. Unpublished study prepared by Biologic, Inc. 100p.	830.1650/Description of formulation process	Pass (14-Aug-2013)
49191701		Miller, J. (2013) Deltamethrin 4.75% SC: Product Identity and Composition. Project Number: TCI/DELTA475/830. Unpublished study prepared by Biologic, Inc. 100p.	830.1670/Discussion of formation of impurities	Pass (14-Aug-2013)
49191701		Miller, J. (2013) Deltamethrin 4.75% SC: Product Identity and Composition. Project Number: TCI/DELTA475/830. Unpublished study prepared by Biologic, Inc. 100p.	830.1750/Certified limits	Pass (14-Aug-2013)
49191702		Leapard, B. (2013) Physical and Chemical Characteristics of Deltamethrin 4.75% SC: Final Report. Project Number: ARC/EX/1303/006/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.	830.6302/Color	Pass (14-Aug-2013)
49191702		Leapard, B. (2013) Physical and Chemical Characteristics of Deltamethrin 4.75% SC: Final Report. Project Number: ARC/EX/1303/006/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.	830.6303/Physical state	Pass (14-Aug-2013)
49191702		Leapard, B. (2013) Physical and Chemical Characteristics of Deltamethrin 4.75% SC: Final Report. Project Number: ARC/EX/1303/006/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.	830.6304/Odor	Pass (14-Aug-2013)
49191702		Leapard, B. (2013) Physical and Chemical Characteristics of Deltamethrin 4.75% SC: Final Report. Project Number: ARC/EX/1303/006/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.	830.7000/pH	Pass (14-Aug-2013)
49191702		Leapard, B. (2013) Physical and Chemical Characteristics of Deltamethrin 4.75% SC: Final Report. Project Number: ARC/EX/1303/006/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.	830.7100/Viscosity	Pass (14-Aug-2013)
49191702		Leapard, B. (2013) Physical and Chemical Characteristics of Deltamethrin 4.75% SC: Final Report. Project Number: ARC/EX/1303/006/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.	830.7300/Density/relative density	Pass (14-Aug-2013)

Decision Information for 73801-U

Decision Seq: 481734 Action Code: R301, NEW PRODUCT; IDENTICAL OR SUBSTANTIALLY SIMILAR ...

FFS Start Date: 27-Aug-2013 Tentative Ind: No Start/Stop Clock: FQPA Clock:

Due Date: 27-Dec-2013 75-Day Due Date: Days Elapsed:

OPP Target Due Date: 21-Day Due Date: 27-Aug-2013 FFS Original Decision: ...

Negotiated Due Date: 45-Day Due Date: 11-Oct-2013

Registrant: Predecisional Due Date: 13-Dec-2013

Response Due Date:

Current Status: PENDING (07-Aug-2013)

Decision Status

Tracking

Create Resubmission

FFS Letters

Payment Documentation

Action Code History

Secondary Decision

75 Day Letters 45/90 Day Screen Primary Decisions

FFS Negotiated Due Dates OPP Target Due Date Decision Comments Payment Unmatched Payments

Decision Ownership Receipts Data Package Reduced Risk Meetings & Milestones FFS Information

Receipts	Staff Member	Reg/DCI Number	Submission Due Dt	Response
S:939333	Odiott, Olga	73801-U	27-Dec-2013	PENDING
New Product; Indoor GHP product				

Viewing Record 1 of 1

PLEASE TRANSFER JACKET TO YOURSELF.

THANKS,  
Mark

**BIOLOGIC CONSULTING, INC.**  
*agribusiness professionals*

August 2, 2013

Document Processing Desk (REGFEE)  
 Office of Pesticide Programs (7504P)  
 US Environmental Protection Agency  
 One Potomac Yard  
 2777 S. Crystal Drive  
 Room S-4900, 4<sup>th</sup> Floor  
 Arlington, VA 22202

Attention: Mr. Mark Suarez (PM #1325)

RE: Deltamethrin 4.75% SC; EPA Reg. No. 73801-X  
 Application for Pesticide Registration

Dear Mr. Suarez:

On behalf of Tagros Chemicals India Limited we are submitting an Application for Pesticide Registration for the above mentioned product. The subject product is an insecticide for use to control insect pests in residential, industrial and institutional areas. The nominal concentration of deltamethrin in this formulation is 4.75%.

The following documents are enclosed to process this registration:

Administrative Materials

- Application for Pesticide Registration (EPA Form 8570-1)
- Certification With Respect to Citation of Data (EPA Form 8570-34)
- Data Matrix (EPA Form 8570-35)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Confidential Statement of Formula (EPA Form 8570-4)
- Five (5) copies of draft labeling – MASTER Label and SPLIT labels

Three (3) copies of the following:

- 49191701** 1. Product Identity and Composition - OPPTS Guideline 830.1550 through 830.1900
- 49191702** 2. Physical and Chemical Characteristics of Deltamethrin 4.75% SC - OPPTS Guideline 830.6302 through 830.7300

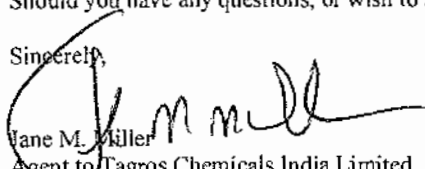
This application is submitted under the Formulator's Exemption provision of FIFRA section 3(c)(2)(D). In addition, according to FIFRA section 3(c)(3)(b)(i) this application qualifies for an expedited review on the basis that this product is similar in labeling and composition to "Delta 4.75% SC", EPA Reg. No. 53883-276.

To satisfy the acute toxicity and efficacy data requirements, Tagros Chemicals India Limited has chosen the cite-all option under the selective method of support and has sent offer to pay letters to those companies appearing on the enclosed data matrix.

This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products, EPA No. R301; CR No. 45. The PRIA fee for this application is \$1,720.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

  
 Jane M. Miller  
 Agent to Tagros Chemicals India Limited

115 Obtuse Hill Road • Brookfield, CT 06804  
 Tel: 203.740.1200 • Fax: 203.740.1220  
 Email: jmiller@biologicconsulting.com

# Similarity Clinic Screen Completed

Date: 8/28/13

Jacket #: 73801-U

## Actions Done:

Acute Toxicity Review: COMPLETED - IN JACKET

Acute Toxicity Language for Label: IN THE ~~THE~~ REVIEW

Product Chemistry Review: NEW STUDIES SUBMITTED  
- SEND TO TRB

**Transfer This Jacket To:** FOR FULL  
REVIEW

PM 13, MARK SUAREZ

## **Memorandum**

Date: 8 / 13 / 13

To: Pm 13, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

**We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.**

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a: ☒ fully accepted submission  
☐ partially accepted submission  
☐ rejected submission

# Completion of 21-Day Content Screen

PM- 13

EPA Reg. # (File Symbol) 73801 - U

Decision # D 481734

Data package delivered to  
you on 8/16/13.  
(date)

Jacket/Mini-jacket will be  
transferred to you today.  
(Pick up from Document Center)

Thank you,

Registration Division's 21-Day Content Team

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

~~CONTAINS CBI - DO NOT RELEASE TO REGISTRANT~~

August 27, 2013

**SIMILARITY CLINIC MEMORANDUM:**

Subject: Name of Pesticide Product: Deltamethrin 4.75% SC  
EPA Reg. No./File Symbol: 73801-U  
DP Barcode: DP414276  
Decision No: 481734  
Action Code: R301  
PC Code: 097805 (Deltamethrin: 4.75%)

From: Byron T. Backus, Ph.D., Toxicologist  
Technical Review Branch  
Registration Division (7505P)

*Byron T. Backus*  
*August - 27 - 2013*  
*SCR*

To: Mark Suarez, RM 13  
Insecticide Branch  
Registration Division (7505P)

Registrant: Tagros Chemical India Ltd.  
c/o Biological Consulting, Inc.  
115 Obtuse Hill Road  
Brookfield, CT 06804

**FORMULATION FROM LABEL:**

	<u>by wt.</u>
<u>Active Ingredient(s):</u>	
Deltamethrin.....	4.75%
<u>Other Ingredient(s):</u> .....	95.25%
Total	100.00%

**BACKGROUND:** The registrant is claiming this formulation is similar to EPA Reg. No. 53883-276, and (from the Data Matrix) is using cite-all to satisfy the acute toxicity data requirements.

**COMMENTS AND RECOMMENDATIONS:**

1. The CSF for 53883-276 is not immediately available electronically. However, according to

TRB's records 53883-276 was registered on the basis of similarity to EPA Reg. No. 432-763 (July 27, 2010 TRB memorandum for 53883-ETA from Eugenia McAndrew to Rosanna Louie). Based on a comparison of the CSFs of 73801-U and 432-763, TRB concludes that these two products are similar, and, based on a comparison of labels, that they have similar uses.

2. According to the TRB review dated July 27, 2010 six acute toxicity studies (MRIDs 42015403 through 42015408) were submitted to support the registration of 432-763. These studies were reviewed in a RSB memorandum dated May 11, 1992 (TXR 5007782).
3. From the TRB review dated July 27, 2010, the following is the acute toxicity profile for 53883-276 (based on its similarity to 432-763, and the studies conducted on that formulation), and it is also the acute toxicity profile for the proposed product 73801-U:

Acute oral toxicity	IV	Cite-all	Similarity to 53883-276 (and to 432-763)
Acute dermal toxicity	IV	Cite-all	Similarity to 53883-276 (and to 432-763)
Acute inhalation toxicity	III	Cite-all	Similarity to 53883-276 (and to 432-763)
Primary eye irritation	IV	Cite-all	Similarity to 53883-276 (and to 432-763)
Primary dermal irritation	IV	Cite-all	Similarity to 53883-276 (and to 432-763)
Dermal sensitization	Neg.	Cite-all	Similarity to 53883-276 (and to 432-763)

4. Based on its acute toxicity profile, the following are the precautionary and first aid labeling statements for 73801-U, as obtained from the Label Review System:

**PRODUCT ID #:**           **073801-00004**

**PRODUCT NAME:**       **DELTAMETHRIN 4.75% SC**

#### **PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:**   **CAUTION**

#### **Hazards to Humans and Domestic Animals:**

Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. Wear: Long-sleeved shirt and long pants, Socks, Shoes, and gloves.

#### **First Aid:**

If inhaled:

-Move the person to fresh air.

-If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

-Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

5. All acute toxicity data requirements for the registration of 73801-U have been satisfied.





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

August 12, 2013

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

BIOLOGIC, INC.  
TAGROS CHEMICALS INDIA LTD.  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 06-AUG-13. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

# Receipt for Section 3

S: 939333

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☒ Yes ☐ No

Application Type: New Registration

Billable: ☒ Yes ☐ No

Company: 73801 TAGROS CHEMICALS INDIA LTD. V

Risk Manager: Registration Division: Risk Management Team 13

Product #: 73801-U Product Name: DELTAMETHRIN 4.75% SC

Overrides:

Me Too Section3: 53883-276 Me Too Product Name: DELTA 4.75% SC

Application Date: 02-Aug-2013  OPP Rec'd Date: 06-Aug-2013 

Front End Date: 06-Aug-2013  Risk Manager Send Date: 

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Fast Track: ☐ New Ingredient: ☐

Receipt Description:

Application for new pesticide product registration

New Ingredient Request Date:  
New Ingredient Received Date:

Form A: ☐ Signature Date: Form B: ☐ Signature Date:

Print Letter

Enter More Information

Tracking

Receipt Content

Study

CSF

View/Edit

**BIOLOGIC CONSULTING, INC.**  
*agribusiness professionals*

August 2, 2013

Document Processing Desk (REGFEE)  
 Office of Pesticide Programs (7504P)  
 US Environmental Protection Agency  
 One Potomac Yard  
 2777 S. Crystal Drive  
 Room S-4900, 4<sup>th</sup> Floor  
 Arlington, VA 22202

Attention: Mr. Mark Suarez (PM #1325)

RE: Deltamethrin 4.75% SC; EPA Reg. No. 73801-X  
 Application for Pesticide Registration

Dear Mr. Suarez:

On behalf of Tagros Chemicals India Limited we are submitting an Application for Pesticide Registration for the above mentioned product. The subject product is an insecticide for use to control insect pests in residential, industrial and institutional areas. The nominal concentration of deltamethrin in this formulation is 4.75%.

The following documents are enclosed to process this registration:

Administrative Materials

- Application for Pesticide Registration (EPA Form 8570-1)
- Certification With Respect to Citation of Data (EPA Form 8570-34)
- Data Matrix (EPA Form 8570-35)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Confidential Statement of Formula (EPA Form 8570-4)
- Five (5) copies of draft labeling – MASTER Label and SPLIT labels

Three (3) copies of the following:

**49191701** 1. Product Identity and Composition - OPPTS Guideline 830.1550 through 830.1900

**49191702** 2. Physical and Chemical Characteristics of Deltamethrin 4.75% SC - OPPTS Guideline 830.6302 through 830.7300

This application is submitted under the Formulator's Exemption provision of FIFRA section 3(c)(2)(D). In addition, according to FIFRA section 3(e)(3)(b)(i) this application qualifies for an expedited review on the basis that this product is similar in labeling and composition to "Delta 4.75% SC", EPA Reg. No. 53883-276.

To satisfy the acute toxicity and efficacy data requirements, Tagros Chemicals India Limited has chosen the cite-all option under the selective method of support and has sent offer to pay letters to those companies appearing on the enclosed data matrix.

This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products, EPA No. R301; CR No. 45. The PRIA fee for this application is \$1,720.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

Jane M. Miller

Agent to Tagros Chemicals India Limited

115 Obtuse Hill Road • Brookfield, CT 06804  
 Tel: 203.740.1200 • Fax: 203.740.1220  
 Email: jmill@biologicconsulting.com

# PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 8/6/13  
 Experts In-Processing Signature: MP Date 8/7/13 Fee Paid: Yes \_\_\_  
 Division management contacted on issues No \_\_\_ Yes \_\_\_ Date \_\_\_

EPA Reg. Number: <u>73801-U</u>		EPA Receipt Date: <u>8/6/13</u>				
Items for Review				Yes	No	N/A*
1	Application Form (EPA Form 8570-1) signed & complete including package type			X		
2	Confidential Statement of Formula all boxes completed, form signed, and dated (EPA Form 8570-4)			X		
	a) All <u>inerts</u> , including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
3	Certification with Respect to Citation of Data (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	Formulator's Exemption Statement (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)			X		
5	Data Matrix (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			X		
	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)			X		
7	Is the data package consistent with PR Notice 86-5			X		
8	Notice of Filing included with petitions					X

9	If applicable for conventional applications, <u>reduced risk rationale</u>			X
10	<u>Required Data</u> and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			

**Comments:**

- \* Inerts approved for non-food use.
- \* Data Package approved.
- \* AI + % Comp + Catalog / added.
- \* Label approved.

MRID: 491917

1k 703-349-8508

\* N/A – Not Applicable

#### Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses or have an application pending with the Agency. If an unapproved inert with no application pending with the Agency is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses or have an application pending with the Agency **even if a product is currently registered** by consulting the [inert Web site](#) and if the inert is not approved nor has an application pending with the Agency, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at [inertsbranch@epa.gov](mailto:inertsbranch@epa.gov) and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the [Chief of Microbial Pesticides Branch](#).

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

### **Unapproved Inerts Identified on CSFs**

#### **All applications except conventional new products and PIPs**

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Provide the required information necessary to identify an inert approval application that is pending with the Agency; or
3. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;
4. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

#### **Conventional New Product Applications**

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R300 or R301), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

#### PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



## R 300 and 301

100% identical (repack): YES or NO (circle one)

{if **yes**, it's a 100% repack - then product chemistry, acute toxicity and efficacy data are not required}

Data on Group A and B must be submitted - Group A and B can not be cited.

Guideline No.	Group A: Product Chemistry Data Study Title	Data submitted	
		Yes	No
830.1550	Product Identity & Composition	✓	
830.1600	Description of materials used to produce the product	✓	
830.1650	Description of formulation process	✓	
830.1670	Discussion on the formation of impurities	✓	
830.1700	Preliminary analysis		×
830.1750	Certified limits (158.345)	✓	
830.1800	Enforcement analytical method	✓	

Guideline No.	Group B: Product Chemistry Data Study Title	Data submitted	
		Yes	No
830.6302	Color	✓	
830.6303	Physical State	✓	
830.6304	Odor	✓	
830.6314	Oxidation/Reduction (Chemical incompatibility)		
830.6315	Flammability		
830.6316	Explosibility		
830.6317	Storage stability		
830.6319	Miscibility		
830.6320	Corrosion Characteristics		
830.6321	Dielectric Breakdown voltage		
830.7000	pH	✓	
830.7100	Viscosity	✓	
830.7300	Density	✓	

## R 300 and 301

New products must provide a bridging rationale document. The bridging document directs OPP to use a currently registered set of 6 acute toxicity data and label; instead of submitting product specific data.

Guideline No.	Acute toxicity (6 pack) Study Title	Cited	
		Yes	No
870.1100	Acute Oral (LD50)	✓	
870.1200	Acute Dermal (LD50)	✓	
870.1300	Acute Inhalation (LC50)	✓	
870.2400	Acute Eye Irritation	✓	
870.2500	Acute Dermal Irritation	✓	
870.2600	Dermal Sensitization	✓	

Efficacy – which guideline depends on the proposed label use and they must cite the data to be used for the bridging rationale.

Guideline No.	Efficacy Study Titles	Cited		Comments
		Yes	No	
810.3100	Soil Treatments for Imported Fire Ants		✓	
810.3200	Livestock, Poultry, Fur and Wool-Bearing Animal Treatments		✓	
810.3300	Treatments to Control Pests of Humans and Pets		✗	
810.3400	Mosquito, Black Fly, and Biting Midge (Sand Fly) Treatments		✓	
810.3500	Premises Treatments		✗	
810.3600	Structural Treatments		✓	
810.3800	Methods for Efficacy Testing of Termite Baits		✓	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

August 7, 2013

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OPP Decision Number: D-481734  
EPA File Symbol or Registration Number: 73801-U  
Product Name: DELTAMETHRIN 4.75% SC  
EPA Receipt Date: 06-Aug-2013  
EPA Company Number: 73801  
Company Name: TAGROS CHEMICALS INDIA LTD.

JANE MILLER  
BIOLOGIC, INC.  
TAGROS CHEMICALS INDIA LTD.  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R301  
NEW PRODUCT; IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND  
USE TO A REGISTERED PRODUCT; REGISTERED SOURCE OF ACTIVE  
INGREDIENT; SELECTIVE DATA CITATION ONLY FOR DATA ON PRODUCT  
CHEMISTRY / ACUTE TOXICITY / PUBLIC HEALTH PEST EFFICACY, WHERE  
APPLICANT DOES NOT OWN ALL REQUIRED DATA NOR HAS AUTHORIZATION  
LETTER FROM DATA OWNER;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee  
Ombudsman at (703) 308-9362.

Sincerely,

*Peresa DeLeon*  
Front End Processing Staff

Information Technology & Resources Management Division

**Fee for Service**

*W*  
{939333+~

This package includes the following

- ☒ New Registration
- ☐ Amendment

☒ Studies?      ☐ Fee Waiver?

☐ volpay    % Reduction: \_\_\_\_

for Division

- ☐ AD
- ☐ BPPD
- ☒ RD

Risk Mgr.      **13**

Receipt No.

S- **939333**

EPA File Symbol/Reg. No.

**73801-U**

Pin-Punch Date:

**8/6/2013**

☐ This item is NOT subject to FFS action.

Action Code:

Requested: **R301**

Granted: **R301**

Amount Due: \$ **1720.**

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer: *McLeish*

Date: *8/7/13*

Remarks:

*SEM CLINIC CITING 53883-276*

# Receipt for Section 3

S: 939333

Resubmission: ☐ Yes ☒ No

Regulatory Type: Product Registration - Section 3

Fee For Service: ☒ Yes ☐ No

Application Type: New Registration

Billable: ☒ Yes ☐ No

Company: 73801 TAGROS CHEMICALS INDIA LTD. V

Risk Manager: Registration Division, Risk Management Team 13

Product #: 73801-U Product Name: DELTAMETHRIN 4.75% SC

Chemical:

Me Too Section3: 53883-276 Me Too Product Name: DELTA 4.75% SC

Application Date: 02-Aug-2013

OPP Rec'd Date: 05-Aug-2013

Front End Date: 05-Aug-2013

Risk Manager Send Date:

FFS Due Date:

Negotiated Due Date:

OPP Target Date:

Fast Track: ☐

New Ingredient: ☐

Receipt Description:

Application for new pesticide product registration

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:

Print Letter

Enter More Information

Tracking

Receipt Content

Study

CSF

View/Edit

New Ingredient

Request Date:

New Ingredient

Received Date:

## Jane Miller

---

**From:** paygovadmin@mail.doc.twai.gov  
**Sent:** Monday, August 05, 2013 2:56 PM  
**To:** jmill@biologicconsulting.com  
**Subject:** Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions or you wish to cancel this payment, please contact Pay.gov Customer Service by phone at (800) 624-1373 or by email at [pay.gov.clev@clev.frb.org](mailto:pay.gov.clev@clev.frb.org).

Application Name: PRIA Service Fees  
Pay.gov Tracking ID: 25BRIPQD  
Agency Tracking ID: 74486212430  
Transaction Type: Sale  
Transaction Date: Aug 5, 2013 2:55:46 PM

Account Holder Name: Jane M. Miller  
Transaction Amount: \$1,720.00  
Billing Address: 115 Obtuse Hill Road  
City: Brookfield  
State/Province: CT  
Zip/Postal Code: 06804  
Country: USA  
Card Type: Visa  
Card Number: \*\*\*\*\*0690

Decision Number:  
Registration Number:  
Company Name: Tagros Chemicals India Lt Company Number: 73801 Action Code: R301

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 73801-XX	2. EPA Product Manager M. Suarez	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Deltamethrin 4.75% SC	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Tagros Chemical India Limited c/o Biologic Consulting, Inc. 115 Obtuse Hill Road Brookfield, CT 06804 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 53883-276 Product Name Delta 4.75% SC	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This application for a new pesticide product and will fall within the category on Table 4 - Registration Division: New Products, EPA No. R301; CR No. 45. The PRIA fee for this application is \$1,720.

Contact: Jane Miller at email: jmillar@biologicconsulting.com

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 pint, 1 gallon		5. Location of Label Directions <input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jane M. Miller	Title Agent	Telephone No. (Include Area Code) 203-740-1200
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Agent	
4. Typed Name Jane M. Miller	5. Date August 2, 2013	

August 2, 2013

Document Processing Desk (REGFEE)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

Attention: Mr. Mark Suarez (PM #1325)

RE: Deltamethrin 4.75% SC; EPA Reg. No. 73801-X  
Application for Pesticide Registration

Dear Mr. Suarez:

On behalf of Tagros Chemicals India Limited we are submitting an Application for Pesticide Registration for the above mentioned product. The subject product is an insecticide for use to control insect pests in residential, industrial and institutional areas. The nominal concentration of deltamethrin in this formulation is 4.75%.

The following documents are enclosed to process this registration:

Administrative Materials

- Application for Pesticide Registration (EPA Form 8570-1)
- Certification With Respect to Citation of Data (EPA Form 8570-34)
- Data Matrix (EPA Form 8570-35)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Confidential Statement of Formula (EPA Form 8570-4)
- Five (5) copies of draft labeling – MASTER Label and SPLIT labels

Three (3) copies of the following:

1. Product Identity and Composition - OPPTS Guideline 830.1550 through 830.1900
2. Physical and Chemical Characteristics of Deltamethrin 4.75% SC - OPPTS Guideline 830.6302 through 830.7300

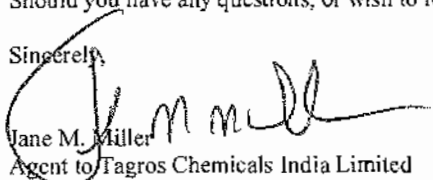
This application is submitted under the Formulator's Exemption provision of FIFRA section 3(c)(2)(D). In addition, according to FIFRA section 3(c)(3)(b)(i) this application qualifies for an expedited review on the basis that this product is similar in labeling and composition to "Delta 4.75% SC", EPA Reg. No. 53883-276.

To satisfy the acute toxicity and efficacy data requirements, Tagros Chemicals India Limited has chosen the cite-all option under the selective method of support and has sent offer to pay letters to those companies appearing on the enclosed data matrix.

This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products, EPA No. R301; CR No. 45. The PRIA fee for this application is \$1,720.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

  
Jane M. Miller  
Agent to Tagros Chemicals India Limited

115 Obtuse Hill Road • Brookfield, CT 06804  
Tel: 203.740.1200 • Fax: 203.740.1220  
Email: [jmiller@biologicconsulting.com](mailto:jmiller@biologicconsulting.com)





United States  
Environmental Protection Agency  
Washington, DC 20460  
**Formulator's Exemption Statement**  
(40 CFR 152.85)

Form Ap. d. OMB No. 2070-0060. Approval Expires 5-31-98.

**Applicant's Name and Address**

Tagros Chemicals India Limited  
c/o Biologic Consulting, Inc.  
115 Obluse Hill Road  
Brookfield, CT 06804

**EPA File Symbol/Registration Number**

73801-X

**Product Name**

Dellamethrin 4.75% SC

**Date of Confidential Statement of Formula (EPA Form 8570-4)**

August 2, 2013

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Dellamethrin

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

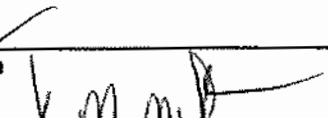
☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

**Source**

Active Ingredient	Product Name	Registration Number
Dellamethrin Technical	Dellamethrin Technical (98.5%)	73801-1
Signature 	Name and Title Jane M. Miller, Agent	Date 8/2/2013



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, and Telephone Number Tagros Chemicals India Limited c/o Biologic Consulting, Inc. 115 Obtuse Hill Road Brookfield, CT 06106	EPA Registration Number/File Symbol 73801-XX
Active Ingredient(s) and/or representative test compound(s) Deltamethrin	Date August 2, 2013
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Terrestrial Non-Food, Domestic Outdoor, Indoor	Product Name Deltamethrin 4.75% SC

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

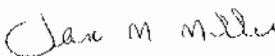
I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature 	Date August 2, 2013	Typed or Printed Name and Title Jane M. Miller, Agent
---------------	------------------------	----------------------------------------------------------

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**DATA MATRIX**

Date July 26, 2013			EPA Reg. No./File Symbol 73801-X		Page 1 of 10
Applicant's/Registrant's Name & Address Tagros Chemicals India, Ltd. c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804			Product Deltamethrin 4.75% SC		
Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition		Tagros Chemicals India, Ltd.	OWN	
830.1600	Description of Materials Used to Produce the Product		Tagros Chemicals India, Ltd.	OWN	
830.1650	Description of Formulation Process		Tagros Chemicals India, Ltd.	OWN	
830.1670	Discussion of Formation of Impurities		Tagros Chemicals India, Ltd.	OWN	
830.1750	Certified Limits		Tagros Chemicals India, Ltd.	OWN	
830.1800	Enforcement Analytical Method		Tagros Chemicals India, Ltd.	OWN	
830.1900	Submittal of Samples				1
830.6302	Color		Tagros Chemicals India, Ltd.	OWN	
830.6303	Physical State		Tagros Chemicals India, Ltd.	OWN	
830.6304	Odor		Tagros Chemicals India, Ltd.	OWN	
830.6314	Oxidation / Reduction: Chemical Incompatibility				2
830.6315	Flammability / Flame Extension				3
830.6316	Explosibility				4
830.6317	Storage Stability				5
830.6319	Miscibility				6
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013


Based on EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
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**DATA MATRIX**

Date July 26, 2013			EPA Reg. No./File Symbol 73801-X		Page 1 of 10
Applicant's/Registrant's Name & Address Tagros Chemicals India, Ltd. c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804			Product Deltamethrin 4.75% SC		
Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
					1
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
					2
					3
					4
					5
					6
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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## DATA MATRIX

Date July 26, 2013			EPA Reg. No./File Symbol 73801-X		Page 2 of 10
Applicant's/Registrant's Name & Address Tagros Chemicals India, Ltd. c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804			Product Deltamethrin 4.75% SC		
Ingredient Deltamethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics				7
830.6321	Dielectric Breakdown Voltage				8
830.7000	PH		Tagros Chemicals India, Ltd.	OWN	
830.7100	Viscosity		Tagros Chemicals India, Ltd.	OWN	
830.7300	Density		Tagros Chemicals India, Ltd.	OWN	
870.1100	Acute Oral Toxicity	Cite-All		PAY	
870.1200	Acute Dermal Toxicity	Cite-All		PAY	
870.1300	Acute Inhalation Toxicity	Cite-All		PAY	
870.2400	Acute Eye Irritation	Cite-All		PAY	
870.2500	Acute Dermal Irritation	Cite-All		PAY	
870.2600	Skin Sensitization	Cite-All		PAY	
	Efficacy	Cite-All		PAY	
To satisfy the acute toxicity and efficacy data requirements, the following companies have been sent offer to pay letters			Bonide Products	PAY	
			Salem, VA		
			P.F. Harris Mfg. Co., LLC	PAY	
			Greeley, CO		
			The Scotts Company	PAY	
			Marysville, OH		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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Ingredient Deltamethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
					7
					8
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
			Tagros Chemicals India, Ltd.	OWN	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
				PAY	
			Bonide Products	PAY	
			Salem, VA		
			P.F. Harris Mfg. Co., LLC	PAY	
			Greeley, CO		
			The Scotts Company	PAY	
			Marysville, OH		
Signature <i>Jane M. Miller</i>			Name and Title Jane M. Miller, Agent		Date 07/26/2013




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Applicant's/Registrant's Name & Address Tagros Chemicals India, Ltd. c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804		Product Deltamethrin 4.75% SC			
Ingredient Deltamethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			FMC Corp.	PAY	
			Philadelphia, PA		
			Excel Marketing	PAY	
			Salem, VA		
			Bayer Cropscience LP	PAY	
			Research Triangle Park, NC		
			Chemsico	PAY	
			St. Louis, MO		
			Chase Products	PAY	
			Maywood, IL		
			S.C. Johnson & Son	PAY	
			Racine, WI		
			Voluntary Purchasing Group	PAY	
			Plano, TX		
			Southern Ag. Insecticides	PAY	
			Palmetto, FL		
			Speer Products Inc.	PAY	
			Memphis, TN		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			FMC Corp.	PAY	
			Philadelphia, PA		
			Excel Marketing	PAY	
			Salem, VA		
			Bayer Cropscience LP	PAY	
			Research Triangle Park, NC		
			Chemsico	PAY	
			St. Louis, MO		
			Chase Products	PAY	
			Maywood, IL		
			S.C. Johnson & Son	PAY	
			Racine, WI		
			Voluntary Purchasing Group	PAY	
			Plano, TX		
			Southern Ag Insecticides	PAY	
			Palmetto, FL		
			Speer Products Inc.	PAY	
			Memphis, TN		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

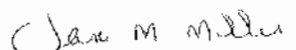


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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Reckitt Benckiser LLC	PAY	
			Parsippany, NJ		
			Aerochem Inc.	PAY	
			Raymond, MS		
			Senoret Chemical Co., Inc.	PAY	
			Silver Springs, MD		
			Safeguard Chemical Corp.	PAY	
			Greeley, CO		
			Sumitomo Chemical Co., Ltd.	PAY	
			Baltimore, MD		
			Safer Inc.	PAY	
			Lititz, PA		
			CTX-Cenol Inc.	PAY	
			Twinsburg, OH		
			K-G Spray-Pak, Inc.	PAY	
			Hartford, WI		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013


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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Reckitt Benckiser LLC	PAY	
			Parsippany, NJ		
			Aerochem Inc.	PAY	
			Raymond, MS		
			Senoret Chemical Co., Inc.	PAY	
			Silver Springs, MD		
			Safeguard Chemical Corp.	PAY	
			Greeley, CO		
			Sumitomo Chemical Co., Ltd.	PAY	
			Baltimore, MD		
			Safer Inc.	PAY	
			Lititz, PA		
			CTX-Cenol Inc.	PAY	
			Twinsburg, OH		
			K-G Spray-Pak, Inc.	PAY	
			Hartford, WI		
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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Spray Drift Task Force	PAY	
			Washington, DC		
			Star Horse Products	PAY	
			Goodyear, AZ		
			Valent Biosciences Corp.	PAY	
			Libertyville, IL		
			Bengal Products	PAY	
			Baton Rouge, LA		
			Bayer Environmental Science	PAY	
			Research Triangle Park, NC		
			Whitmire Micro-Gen Research Labs	PAY	
			St. Louis, MO		
			Outdoor Residential Exposure Task	PAY	
			Washington, DC		
			Agricultural Re-Entry Task Force	PAY	
			Washington, DC		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013


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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Spray Drift Task Force	PAY	
			Washington, DC		
			Star Horse Products	PAY	
			Goodyear, AZ		
			Valent Biosciences Corp.	PAY	
			Libertyville, IL		
			Bengal Products	PAY	
			Baton Rouge, LA		
			Bayer Environmental Science	PAY	
			Research Triangle Park, NC		
			Whitmire Micro-Gen Research Labs	PAY	
			St. Louis, MO		
			Outdoor Residential Task Force	PAY	
			Washington, DC		
			Agricultural Re-Entry Task Force	PAY	
			Washington, DC		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013


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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Value Gardens Supply, LLC	PAY	
			Bloomington, MN		
			Green Light Co.	PAY	
			Washington, DC		
			Questvapco Corp.	PAY	
			Brenham, TX		
			Arysta Lifescience North America	PAY	
			Cary, NC		
			Non-Dietary Exposure TF	PAY	
			Washington, DC		
			FIFRA Endangered Species TF	PAY	
			Washington, DC		
			Residential Exposure Joint Venture	PAY	
			Washington, DC		
			Agricultural Handlers Exposure TF	PAY	
			Macon, MO		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

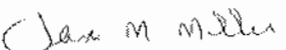
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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Value Gardens Supply, LLC	PAY	
			Bloomington, MN		
			Green Light Co.	PAY	
			Washington, DC		
			Questvapco Corp.	PAY	
			Brenham, TX		
			Arysta Lifescience North America	PAY	
			Cary, NC		
			Non-Dietary Exposure TF	PAY	
			Washington, DC		
			FtFRA Endangered Species TF	PAY	
			Washington, DC		
			Residential Exposure Joint Venture	PAY	
			Washington, DC		
			Agricultural Handlers Exposure TF	PAY	
			Macon, MO		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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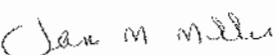
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Applicant's/Registrant's Name & Address Tagros Chemicals India, Ltd. c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804			Product Deltamethrin 4.75% SC		
Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Black Flag Brands, LLC	PAY	
			Independence, OH		
			Hedley Technologies (USA) Inc.	PAY	
			Grand Junction, CO		
			Pyrethroid Working Group	PAY	
			Washington, DC		
			J.J. Mauget Co.	PAY	
			Woodbridge, VA		
			Waterbury Companies, Inc.	PAY	
			Washington, DC		
			Amrep, Inc.	PAY	
			Marietta, GA		
			E.I. Dupont De Nemours and Co.	PAY	
			Wilmington, DE		
			Zep Inc.	PAY	
			Atlanta, GA		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Black Flag Brands, LLC	PAY	
			Independence, OH		
			Hedley Technologies (USA) Inc.	PAY	
			Grand Junction, CO		
			Pyrethroid Working Group	PAY	
			Washington, DC		
			J.J. Mauget Co.	PAY	
			Woodbridge, VA		
			Waterbury Companies, Inc.	PAY	
			Washington, DC		
			Amrep, Inc.	PAY	
			Marietta, GA		
			E.I. Dupont De Nemours and Co.	PAY	
			Wilmington, DE		
			Zep Inc.	PAY	
			Atlanta, GA		
Signature <i>Jane M. Miller</i>			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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Ingredient Deltamethrin/methrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Bacon Products Company, Inc.	PAY	
			Chattanooga, TN		
			The Andersons Lawn Fertilizer Div.	PAY	
			Maumee, OH		
			Apollo Industries Inc.	PAY	
			Smyrna, GA		
			Rainbow Technology Corp.	PAY	
			Greeley, CO		
			Phaeton Corporation	PAY	
			Salem, VA		
			Hoechst Schering Agrovo S.A.	PAY	
			Research Triangle Park, NC		
			Mystic Chemical Products Co.	PAY	
			Cleveland, OH		
			Walla Walla Environmental Inc.	PAY	
			Walla Walla, WA		
			Lawson Products, Inc.	PAY	
			Chicago, IL		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Bacon Products Company, Inc.	PAY	
			Chattanooga, TN		
			The Andersons Lawn Fertilizer Div.	PAY	
			Maumee, OH		
			Apollo Industries Inc.	PAY	
			Smyrna, GA		
			Rainbow Technology Corp.	PAY	
			Greeley, CO		
			Phaeton Corporation	PAY	
			Salem, VA		
			Hoechst Schering Agrovo S.A.	PAY	
			Research Triangle Park, NC		
			Mystic Chemical Products Co.	PAY	
			Cleveland, OH		
			Walla Walla Environmental Inc.	PAY	
			Walla Walla, WA		
			Lawson Products, Inc.	PAY	
			Chicago, IL		
Signature 			Name and Title Jane M. Miller, Agent		Date 07/26/2013

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

**DATA MATRIX**

Date July 26, 2013			EPA Reg. No./File Symbol 73801-X		Page 9 of 10
Applicant's/Registrant's Name & Address Tagros Chemicals India, Ltd. c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804			Product Deltamethrin 4.75% SC		
Ingredient Deltamethrinmethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			ZEP Commercial Sales & Service	PAY	
			Atlanta, GA		
			Bugg Products, LLC	PAY	
			Plymouth, MN		
			Bayer Healthcare, LLC	PAY	
			Shawnee Mission, KS		
			Control Solutions, Inc.	PAY	
			Pasadena, TX		
			Intervet, Inc.		
			Summit, NJ	PAY	
			Swiss Farms Products		
			Las Vegas, NV		
			Triton Systems, Inc.	PAY	
			Baltimore, MD		
			Bestnet A/S	PAY	
			Hillsboro, MO		
Signature <i>Jane M Miller</i>			Name and Title Jane M. Miller, Agent		Date 07/26/2013

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			Las Vegas, NV	PAY	
			Triton Systems, Inc.		
			Baltimore, MD		
			Bestnet A/S	PAY	
			Hillsboro, MO		
Signature <i>Jane M Miller</i>			Name and Title Jane M. Miller, Agent		Date 07/26/2013

FOR OFFICIAL USE ONLY

FILE SYMBOL

REGISTRATION NO.

73801-66

## CONFIDENTIAL STATEMENT OF FORMULA ENCLOSED

DATE SUBMITTED	SUBMITTED BY (✓)	
	APPLICANT	BASIC SUPPLIER
AUG - 6 2000		

Do Not Write Comments,  
Formula, or Parts of Formula  
on This Envelope

### NOTE

It shall be unlawful—for any person to use for his own advantage or to reveal, other than to the Secretary, or officials or employees of the United States Department of Agriculture or other Federal agencies, or to the courts in response to a subpoena, or to physicians, and in emergencies to pharmacists and other qualified persons, for use in the preparation of antidotes, in accordance with such directions as the Secretary may prescribe, any information relative to formulas of products acquired by authority of Section 4 of the "Federal Insecticide, Fungicide, and Rodenticide Act."

\*Pages 142-148 Confidential Statement of Formula may be entitled to confidential treatment\*